

AD-A077 486

BOEING AEROSPACE CO HUNTSVILLE AL ARMY SYSTEMS DIV

F/G 9/5

STORAGE RELIABILITY OF CHIP AND BOND WIRE ELECTRONIC DEVICES, V--ETC(U)

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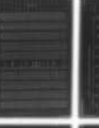
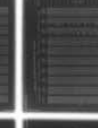
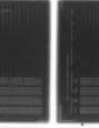
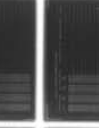
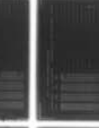
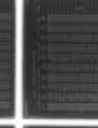
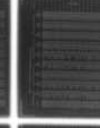
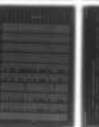
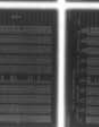
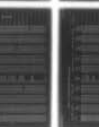
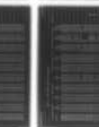
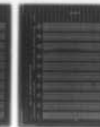
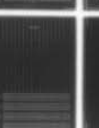
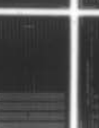
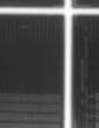
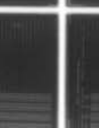
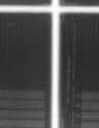
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STORAGE RELIABILITY OF CHIP
AND BOND WIRE ELECTRONIC DEVICES

VOLUME II • TEST RESULTS

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ABSTRACT

Storage reliability and parameter drift rates were measured on 10,027 Minuteman chip and bond wire Resistor-Transistor Logic (RTL) devices, which have been in storage since mid-1967 (eight years). Three parts failed as a result of the eight years of storage. Analysis of the failed parts showed all three were caused by oxide defects which allowed the deposited aluminum metalization to contact the active silicon of the die and short to ground. The 90% confidence level values for Failure Rate and Mean Time Between Failure are 0.0095×10^{-6} failures/part-hr and 105×10^6 part-hrs/failure, respectively.

After eight years of storage, none of the parts experienced a single bond wire failure, no external leads were corroded or broken and there were no package problems. This is evidence of the high storage reliability that can be achieved with proper design, manufacturing and test procedures.

Parameter drift measurements showed the resistor elements virtually unchanged after 8 years of storage. However, the transistor elements showed a significant degradation in gain characteristics. The gain changes are attributed to migration of contaminants (which are always present in minute amounts), and/or to changes in the gold doping process used in the manufacture of the parts. The average rate of drift ranged from 1-2% per year, depending on the logic function circuit involved. Substantially higher rates of drift - up to 7% per year - occurred in parts whose 1967 measured performance fell more than one standard deviation (-1σ) below the mean. About 2% of the parts measured had drifted close enough to specification limits to be classed as "incipient failures" (Parts that are likely to drift out of specified performance levels in 10 years of storage or less). With one exception, all of these "incipient failures" were -1σ parts or worse when tested in 1967. The strong correlation between original measured performance and drift rate suggests that storage life can be enhanced significantly by rejecting parts that fall below the -1σ level during acceptance testing. Rejecting the 16% of the parts that fall outside the -1σ value would reduce the number of parameter drift failures that could be expected during 10 years of storage from 2% of the population to less than 0.1%.

Study results are presented in two volumes. Volume I, Data Analysis presents the findings, backed by summary plots and tables of reduced test data. Volume II, Test Results (this volume), tabulates all parameter measurements made on each part tested.

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Unannounced	<input type="checkbox"/>
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Availability Codes	
Dist	Avail and/or special
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VOLUME II

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5.0 INTRODUCTION

This volume tabulates all parameters measured on each part tested. The tables have been grouped by logic function, starting with the Twin Buffer and ending with the Expander, as shown in Figure 5-0. At the top of Figure 5-0 is a Guide showing the location of each data set. This figure also identifies each parameter measured on each of the seven types of logic devices. The specification limits are shown.

PARAMETER	TEST DATA LOCATION GUIDE							CHARACTERISTICS MEASURED
	TABLE 5-I TWIN BUFFER	TABLE 5-II ADDER	TABLE 5-III DOUBLE GATE	TABLE 5-IV 4-INPUT GATE	TABLE 5-V HALF ADDER	TABLE 5-VI REGISTER	TABLE 5-VII EXPANDER	
INPUT CURRENT I_{IN}	$I_{IN}(3)$ +250. μ	$I_{IN}(1)$ +125. μ	$I_{IN}(1)$ +125. μ	$I_{IN}(1)$ +125. μ	$I_{IN}(1)$ $I_{IN}(3)$ +125. μ	$I_{IN}(1)$ +125. μ	$I_{IN}(1)$ +166. μ	RESISTANCE PLUS BASE EMITTER PERFORMANCE AT SATURATION VOLTAGE
OUTPUT CURRENT I_{OUT}	$I_{OUT}(7)$ +4.03ma	$I_{OUT}(6)$ $I_{OUT}(7-1)$ +405. μ	$I_{OUT}(7)$ 513-780. μ	$I_{OUT}(7)$ 513. μ	$I_{OUT}(7-1)$ 405. μ	$I_{OUT}(6-1)$ 405. μ	NO TEST	RESISTANCE
OUTPUT VOLTAGE V_{OUT}	$V_{OUT}(7-1)$ +300mv	NO TEST	$V_{OUT}(6-1)$ +300mv	$V_{OUT}(6-1)$ +300mv	NO TEST	$V_{OUT}(5-1)$ +300mv	$V_{OUT}(6-1)$ +300mv	TRANSISTOR VOLTAGE DROP AT MINIMUM "ON" BASE EMITTER VOLTAGE
OUTPUT VOLTAGE V_{OL}	$V_{OL}(7-1)$ +200mv	$V_{OL}(7-1)$ +200mv	$V_{OL}(6-1)$ $V_{OL}(7-1)$ +200mv	$V_{OL}(6-1)$ +200mv	$V_{OL}(6)$ +200mv	$V_{OL}(6-1)$ +200mv	$V_{OL}(6-1)$ $V_{OL}(7-1)$ +200mv	TRANSISTOR VOLTAGE DROP AT SATURATION VOLTAGE
LEAKAGE CURRENT I_{RT}	$I_{RT}(1-2)$ $I_{RT}(3-5)$ +1. μ	$I_{RT}(1,2,3,5)$ +1. μ	I_{RT} +1. μ	I_{RT} +1. μ	I_{RT} +1. μ	I_{RT} +1. μ	I_{RT} +1. μ	BASE-EMITTER JUNCTION LEAKAGE CHARACTERISTICS
LEAKAGE CURRENT I_L	$I_L(8)$ +200. μ	$I_L(8)$ +100. μ	$I_L(8)$ +100. μ	$I_L(8)$ +100. μ	$I_L(8)$ +100. μ	$I_L(8)$ +100. μ	$I_L(8)$ +100. μ	TRANSISTOR LEAKAGE CHARACTERISTICS AT ZERO BASE-EMITTER VOLTAGE
LEAKAGE CURRENT I_{CEX}	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	$I_{CEX}(7)$ +10. μ	TRANSISTOR LEAKAGE CHARACTERISTICS AT MAXIMUM "OFF" BASE-EMITTER VOLTAGE

NOTE: NO. IN PARENTHESIS DESIGNATES PIN BEING SENSED, AND TEST CONDITIONS BEING IMPOSED. THESE CONDITIONS ARE DEFINED IN APPENDIX A.

NO. BELOW EACH PARAMETER IS SPECIFICATION LIMIT

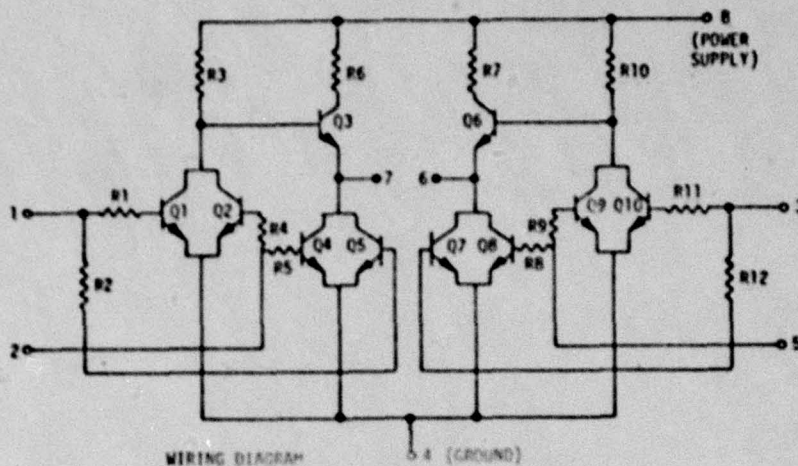
FIGURE 5-0. MATRIX OF PARAMETER MEASUREMENTS

The circuit schematics showing the input conditions for each of the parameter measurements are contained in the Appendix to this volume.

5.1 TWIN BUFFER TEST RESULTS

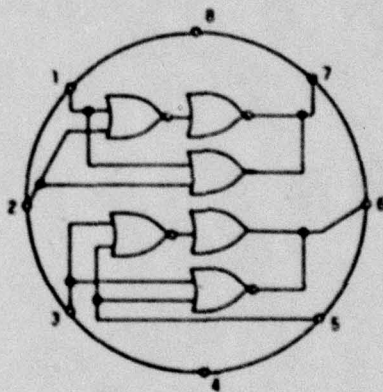
Figure 5-1 and Table 5-I present the circuit diagrams and the test results, respectively, for the Twin Buffer devices. The table lists both the original 1967 test and the 1975 test values, as well as the difference (delta) between them. The left-hand column titled "SERIAL" contains the part serial number. All current values are listed in ampere units, while all voltage values are in volt units. The standard computer printout convention has been used to denote exponents, i.e., $1.234\text{E}-02 = 1.234 \times 10^{-2}$ or 0.01234.

The actual test input conditions used for each of the seven parameter measurements made on the Twin Buffer devices can be found in the Appendix to this volume, Figures A-1 (a) through A-1 (g).



RESISTORS

R1, R2, R4, R5, R8, R9, R11, R12 = 1.5 K Ω \pm 20%
 R3 & R10 = 3.6 K Ω \pm 20%
 R6 & R7 = .1K \pm 20%
 - 40%



$$7 = 1 + 2$$

$$6 = 3 + 5$$

VOLTAGE SPECIFICATIONS	
INPUT VOLTAGE	SPECIFICATION AT 25°C
POWER SUPPLY (NOMINAL)	3.00V
POWER SUPPLY (MAXIMUM)	3.67V
MAXIMUM "OFF" VOLTAGE	0.47V
MINIMUM "ON" VOLTAGE	0.75V
SATURATION VOLTAGE	0.81V
MINIMUM DRIVE VOLTAGE	1.80V
LOW LEVEL VOLTAGE FOR LEAKAGE CHECK	0.40V

FIGURE 5-1 WIRING AND LOGIC DIAGRAMS FOR TWIN BUFFER

TABLE 5-1. TEST RESULTS FOR TWIN BUFFER

D256-10082-2

17 SEP 75

MOTOROLA PART NO.: SC2207

TITLE: DEVICE: TWIN BUFFER

FILE NAME: SC2207AR

SERIAL	1 1967 1-11N (3)	2 1975 1-11N (3)	3 DELTA 1-11N (3)	4 1967 1-11N (7)	5 1975 1-11N (7)	6 DELTA 1-11N (7)	7 1967 1-11N (7-1)	8 1975 1-11N (7-1)	9 DELTA 1-11N (7-1)
00070004	1-824E-04	1-820E-04	9-000E-07	1-831E-02	1-840E-02	-7-000E-05	9-963E-02	9-800E-02	1-600E-03
00070007	1-768E-04	1-777E-04	-2-000E-07	1-849E-02	1-850E-02	-7-999E-06	6-170E-02	5-900E-02	2-700E-03
00070008	1-819E-04	1-830E-04	-1-200E-06	1-769E-02	1-769E-02	9-000E-05	9-623E-02	9-500E-02	1-200E-03
00070009	1-832E-04	1-842E-04	3-000E-06	1-871E-02	1-871E-02	-3-000E-05	0-1253	0-1253	3-000E-04
00070010	1-767E-04	1-767E-04	7-000E-07	1-873E-02	1-873E-02	-2-000E-05	9-420E-02	9-300E-02	1-200E-03
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00070013	1-746E-04	1-743E-04	2-400E-06	1-875E-02	1-875E-02	-1-400E-04	9-399E-02	9-300E-02	1-000E-04
00070014	1-784E-04	1-783E-04	2-500E-06	1-877E-02	1-877E-02	-1-300E-04	9-673E-02	9-700E-02	3-000E-04
00070015	1-797E-04	1-775E-04	2-700E-06	1-858E-02	1-858E-02	-2-000E-05	9-553E-02	9-100E-02	5-000E-04
00070016	1-791E-04	1-760E-04	3-100E-06	1-854E-02	1-854E-02	-4-000E-05	0-1050	0-1050	4-000E-03
00070017	1-791E-04	1-763E-04	3-100E-06	1-862E-02	1-875E-02	-4-000E-05	0-1150	0-1150	5-000E-03
00070018	1-824E-04	1-805E-04	2-600E-06	1-901E-02	1-913E-02	-9-000E-05	9-993E-02	9-000E-02	1-000E-04
00070020	1-859E-04	1-823E-04	3-900E-06	1-954E-02	1-960E-02	-6-000E-05	0-1337	0-1337	1-200E-02
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00070022	1-844E-04	1-810E-04	5-000E-06	1-904E-02	1-913E-02	-5-000E-05	0-1008	0-1140	5-200E-03
00070023	1-741E-04	1-695E-04	5-100E-06	1-734E-02	1-740E-02	-6-300E-05	0-1057	0-1057	4-300E-03
00070024	1-802E-04	1-903E-04	9-200E-06	1-923E-02	1-910E-02	-8-500E-05	0-1141	0-1141	1-500E-02
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00070032	1-740E-04	1-820E-04	1-200E-05	1-905E-02	1-920E-02	-1-500E-04	0-1172	0-1310	1-300E-02
00070033	1-707E-04	1-760E-04	1-470E-05	1-857E-02	1-870E-02	-1-300E-04	0-1042	0-1210	1-600E-02
00070034	1-730E-04	1-730E-04	1-670E-05	1-872E-02	1-910E-02	-1-800E-04	8-840E-02	9-500E-02	6-600E-03
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00070045	1-894E-04	1-820E-04	7-600E-06	1-854E-02	1-870E-02	-1-400E-04	8-645E-02	9-800E-02	1-400E-03
00070144	1-684E-04	1-650E-04	3-600E-06	1-860E-02	1-870E-02	-1-000E-04	9-773E-02	0-1010	3-300E-03
00070145	2-008E-04	1-973E-04	3-900E-06	1-866E-02	1-893E-02	-1-600E-04	8-320E-02	8-200E-02	1-200E-03
00070146	1-700E-04	1-670E-04	3-000E-06	1-901E-02	1-910E-02	-2-000E-05	0-1147	0-1210	6-300E-03
00070147	1-756E-04	1-729E-04	3-600E-06	1-854E-02	1-860E-02	-6-000E-05	0-1052	0-1110	5-900E-03
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00070158	1-775E-04	1-730E-04	4-500E-06	1-838E-02	1-843E-02	-6-000E-05	0-1092	0-1140	4-900E-03
00070159	1-965E-04	1-930E-04	3-900E-06	1-894E-02	1-894E-02	-1-600E-04	0-1033	0-1060	2-700E-03
00070160	1-924E-04	1-903E-04	2-400E-06	1-760E-02	1-810E-02	-1-100E-04	0-1054	0-1070	1-500E-03
00070161	1-801E-04	1-770E-04	3-100E-06	1-870E-02	1-893E-02	-1-100E-04	0-1177	0-1210	5-300E-03

5-4

TABLE 5-1. TEST RESULTS FOR TWIN BUFFER (Continued)

17 SEP 75

MOTOROLA PART NO.: 5C22074B

TITLE: DEVICE: TWIN BUFFER

FILE NAME: 5C22074B

SERIAL	1 1967 (1)	2 1975 (2)	3 DELTA (3)	4 1967 (4)	5 1975 (5)	6 DELTA (6)	7 1967 (7)	8 1975 (8)	9 DELTA (9)
00070375	1.731E-04	1.723E-04	3.100E-06	1.602E-02	1.913E-02	-4.030E-05	9.353E-02	9.500E-02	-1.400E-03
00070376	1.733E-04	1.723E-04	3.100E-06	1.625E-02	1.933E-02	-5.300E-05	9.118E-02	0.1270	-0.300E-03
00070377	1.803E-04	1.760E-04	4.500E-06	1.900E-02	1.900E-02	0.0	9.121E-02	0.1350	-1.300E-02
00070435	1.790E-04	1.803E-04	-2.100E-06	1.945E-02	1.950E-02	-8.000E-05	8.960E-02	8.700E-02	2.600E-03
00070438	1.798E-04	1.773E-04	2.600E-06	1.948E-02	1.970E-02	-2.300E-05	8.920E-02	8.500E-02	-8.000E-04
00070439	1.761E-04	1.753E-04	1.100E-06	1.974E-02	1.935E-02	-6.000E-05	8.900E-02	7.900E-02	1.000E-03
00070440	1.773E-04	1.773E-04	2.000E-06	1.975E-02	1.985E-02	-5.000E-05	7.050E-02	7.000E-02	5.000E-04
00070441	1.799E-04	1.753E-04	4.900E-06	1.967E-02	1.973E-02	-3.000E-05	7.690E-02	7.800E-02	-1.100E-03
00070442	1.804E-04	1.793E-04	1.800E-06	1.970E-02	1.983E-02	-1.000E-05	8.035E-02	7.900E-02	1.300E-03
00070443	1.766E-04	1.763E-04	3.600E-06	1.954E-02	1.960E-02	-8.000E-05	7.550E-02	7.600E-02	-5.000E-04
00070444	1.818E-04	1.800E-04	1.800E-06	1.957E-02	1.962E-02	-3.200E-05	8.380E-02	8.400E-02	-2.000E-04
00070445	1.804E-04	1.763E-04	4.800E-06	1.947E-02	1.925E-02	-6.000E-05	7.290E-02	7.300E-02	-9.500E-05
00070446	1.764E-04	1.733E-04	3.500E-06	1.911E-02	1.900E-02	-9.000E-05	6.420E-02	6.300E-02	1.200E-03
00070447	1.921E-04	1.760E-04	4.100E-06	1.978E-02	1.945E-02	-6.000E-05	7.710E-02	7.800E-02	-9.300E-04
00070448	1.779E-04	1.733E-04	4.900E-06	1.963E-02	1.903E-02	-7.000E-05	9.045E-02	9.200E-02	-1.600E-03
00070449	1.821E-04	1.793E-04	3.100E-06	1.963E-02	1.970E-02	-7.000E-05	8.245E-02	8.000E-02	9.500E-04
00070450	1.873E-04	1.762E-04	4.700E-06	1.958E-02	1.950E-02	-6.000E-05	7.960E-02	7.000E-02	6.000E-04
00070451	1.805E-04	1.763E-04	4.500E-06	1.971E-02	1.930E-02	-9.000E-05	8.035E-02	8.700E-02	-9.000E-04
00070452	1.776E-04	1.753E-04	2.600E-06	1.962E-02	1.955E-02	-9.000E-05	7.750E-02	7.700E-02	5.000E-04
00070453	1.711E-04	1.703E-04	1.100E-06	1.945E-02	1.940E-02	-2.000E-05	9.710E-02	9.600E-02	-1.800E-03
00070454	1.804E-04	1.870E-04	3.400E-06	1.975E-02	1.990E-02	-6.000E-05	8.665E-02	8.600E-02	6.000E-04
00070455	1.803E-04	1.870E-04	3.300E-06	1.965E-02	1.970E-02	-5.000E-05	9.850E-02	0.1030	-1.500E-03
00070456	1.811E-04	1.870E-04	4.100E-06	1.960E-02	1.970E-02	-1.000E-05	9.475E-02	9.700E-02	-2.300E-03
00070457	1.805E-04	1.860E-04	3.500E-06	1.964E-02	1.965E-02	-6.000E-05	9.015E-02	9.100E-02	-9.000E-04
00070458	1.835E-04	1.850E-04	3.300E-06	1.953E-02	1.960E-02	-5.000E-05	8.965E-02	9.000E-02	4.000E-04
00070459	1.775E-04	1.830E-04	4.500E-06	1.912E-02	1.813E-02	-2.000E-05	8.790E-02	8.800E-02	-1.000E-04
00070460	1.871E-04	1.830E-04	4.100E-06	1.872E-02	1.775E-02	-3.000E-05	9.112E-02	9.1140	-6.000E-03
00070461	1.828E-04	1.893E-04	3.900E-06	1.951E-02	1.850E-02	-9.000E-05	9.127E-02	0.1390	-1.150E-02
00070462	1.845E-04	1.845E-04	2.300E-06	1.850E-02	1.855E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070463	1.772E-04	1.772E-04	1.700E-06	1.882E-02	1.853E-02	-8.000E-05	8.115E-02	8.000E-02	1.100E-03
00070464	1.770E-04	1.770E-04	6.000E-07	1.865E-02	1.863E-02	-4.000E-05	7.730E-02	7.700E-02	3.000E-04
00070465	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.870E-02	-1.000E-05	9.400E-02	9.500E-02	-1.200E-03
00070466	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-2.000E-05	9.121E-02	0.1300	-8.500E-03
00070467	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070468	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070469	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070470	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070471	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070472	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070473	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070474	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070475	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070476	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070477	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070478	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070479	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070480	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070481	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070482	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070483	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070484	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070485	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070486	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070487	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070488	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070489	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070490	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070491	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070492	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070493	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070494	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070495	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070496	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070497	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070498	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070499	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070500	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070501	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070502	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070503	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070504	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070505	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070506	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070507	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070508	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070509	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070510	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070511	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070512	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070513	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070514	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070515	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.000E-03
00070516	1.760E-04	1.760E-04	3.900E-06	1.875E-02	1.875E-02	-1.000E-05	9.700E-02	9.900E-02	-2.00

TABLE 5-1. TEST RESULTS FOR TWIN BUFFER (Continued)

FILE NAME: SC220748		TITLE: DEVICE: TWIN BUFFER		MOTOROLA PART NO.: SC2207		ROEING PART NO.: 27-13339		17 SEP 75	
SERIAL	1 1967 (1)	2 1975 (2)	3 DELTA (3)	4 1967 (4)	5 1975 (5)	6 DELTA (6)	7 1967 (7)	8 1975 (8)	9 DELTA (9)
00070651	1.627E-04	1.620E-04	7.000E-07	1.666E-02	1.870E-02	-6.000E-05	0.1172	0.1230	-5.800E-03
00070653	1.887E-04	1.850E-04	3.700E-06	1.808E-02	1.820E-02	-1.700E-04	0.1043	0.1070	-2.700E-03
00070654	1.699E-04	1.663E-04	3.900E-06	1.909E-02	1.940E-02	-1.000E-04	9.870E-02	0.1040	-5.300E-03
00070655	1.966E-04	1.920E-04	4.600E-06	1.966E-02	1.870E-02	-6.000E-05	0.1046	0.1080	-3.400E-03
00070656	1.711E-04	1.670E-04	4.100E-06	1.901E-02	1.910E-02	-6.000E-05	9.820E-02	0.1020	-3.800E-03
00070657	1.718E-04	1.690E-04	2.900E-06	1.667E-02	1.870E-02	-8.700E-05	0.1019	0.1050	-3.100E-03
00070658	1.737E-04	1.693E-04	4.700E-06	1.966E-02	1.900E-02	-6.000E-05	0.1074	0.1150	-7.600E-03
00070659	1.951E-04	1.920E-04	3.100E-06	1.888E-02	1.800E-02	-1.700E-04	9.830E-02	9.600E-02	-7.600E-04
00070660	1.758E-04	1.720E-04	3.600E-06	1.842E-02	1.850E-02	-9.000E-05	0.1082	0.1140	-5.800E-03
00070663	1.608E-04	1.700E-04	1.800E-06	1.879E-02	1.890E-02	-1.100E-04	0.1063	0.1100	-7.700E-03
00070664	1.716E-04	1.670E-04	3.800E-06	1.802E-02	1.920E-02	-3.000E-05	0.1043	0.1090	-4.700E-03
00070665	1.722E-04	1.710E-04	4.600E-06	1.828E-02	1.830E-02	-2.000E-05	0.1039	0.1080	-4.100E-03
00070667	1.775E-04	1.750E-04	2.500E-06	1.887E-02	1.830E-02	-3.000E-05	0.1055	0.1090	-3.400E-03
00070668	1.930E-04	1.900E-04	3.000E-06	1.846E-02	1.850E-02	-5.000E-05	0.1033	0.1040	-4.200E-03
00070723	1.965E-04	1.960E-04	1.500E-06	1.875E-02	1.890E-02	-5.000E-05	0.1025	0.1050	-2.500E-03
00070724	1.762E-04	1.750E-04	1.200E-06	1.847E-02	1.840E-02	-7.000E-05	0.1041	0.1060	-1.900E-03
00070726	1.707E-04	1.690E-04	1.900E-06	1.917E-02	1.820E-02	-8.000E-05	9.700E-02	9.700E-02	-1.300E-03
00070729	1.790E-04	1.770E-04	2.200E-06	1.878E-02	1.820E-02	-1.800E-04	0.1160	0.1230	-7.000E-03
00070730	1.699E-04	1.700E-04	-1.000E-07	1.800E-02	1.820E-02	-1.800E-04	0.1069	0.1110	-4.100E-03
00070731	1.729E-04	1.720E-04	9.000E-07	1.928E-02	1.910E-02	-7.000E-05	9.750E-02	0.1010	-1.500E-03
00070732	1.894E-04	1.910E-04	-1.200E-06	1.755E-02	1.750E-02	-2.000E-05	0.1057	0.1090	-3.300E-03
00070733	1.671E-04	1.720E-04	1.200E-07	1.800E-02	1.840E-02	-3.000E-05	9.430E-02	9.400E-02	9.996E-05
00070734	1.711E-04	1.710E-04	1.000E-07	1.860E-02	1.870E-02	-4.000E-05	0.1069	0.1070	-2.120E-03
00070736	1.771E-04	1.750E-04	2.100E-06	1.912E-02	1.900E-02	-1.300E-04	0.1074	0.1100	-2.400E-03
00070737	1.661E-04	1.660E-04	1.000E-07	1.828E-02	1.810E-02	-1.800E-04	0.1039	0.1070	-1.500E-02
00070740	1.894E-04	1.890E-04	8.000E-07	1.878E-02	1.800E-02	-1.700E-04	9.910E-02	9.700E-02	1.000E-04
00070796	1.892E-04	1.830E-04	6.200E-06	1.851E-02	1.860E-02	-9.000E-05	0.1134	0.1200	-6.600E-03
00070799	1.984E-04	1.940E-04	4.400E-06	1.899E-02	1.920E-02	-9.999E-05	0.1351	0.1460	-8.900E-03
00070800	1.933E-04	1.920E-04	1.300E-06	1.974E-02	1.900E-02	-6.000E-05	8.910E-02	8.800E-02	9.996E-05
00070801	1.967E-04	1.950E-04	1.700E-06	1.894E-02	1.890E-02	-4.000E-05	0.1450	0.1550	-1.000E-02
00070803	1.788E-04	1.790E-04	-2.300E-07	1.862E-02	1.860E-02	-8.000E-05	0.1479	0.1560	-8.100E-03
00070804	1.963E-04	1.950E-04	1.300E-06	1.959E-02	1.950E-02	-9.999E-05	0.1122	0.1150	-2.900E-03
00070805	1.923E-04	1.910E-04	1.000E-06	1.964E-02	1.920E-02	-6.000E-05	0.1157	0.1180	-2.300E-03
00070806	1.867E-04	1.950E-04	1.700E-06	1.909E-02	1.910E-02	-1.000E-05	0.1437	0.1520	-8.300E-03
00070807	1.804E-04	1.790E-04	1.600E-06	1.813E-02	1.820E-02	-7.000E-05	9.140E-02	9.100E-02	4.000E-04
00070808	1.965E-04	1.930E-04	3.500E-06	1.959E-02	1.970E-02	-1.100E-04	0.1249	0.1310	-6.100E-03
00070809	1.992E-04	2.050E-04	-5.900E-06	1.967E-02	1.940E-02	-6.000E-05	0.1489	0.1450	-2.400E-03
00070810	1.919E-04	1.910E-04	2.900E-06	1.974E-02	1.930E-02	-6.000E-05	0.1312	0.1370	-5.800E-03
00070811	1.901E-04	1.860E-04	4.100E-06	1.910E-02	1.920E-02	-1.000E-04	0.1123	0.1160	-3.700E-03
00070812	1.936E-04	1.930E-04	3.600E-06	1.946E-02	1.950E-02	-6.000E-05	0.1209	0.1260	-5.200E-03
00070813	2.064E-04	2.010E-04	5.500E-06	1.902E-02	1.920E-02	-1.200E-04	0.1351	0.1470	-1.100E-02
00070814	1.982E-04	1.950E-04	3.200E-06	1.978E-02	1.970E-02	-1.700E-04	0.1133	0.1170	-3.700E-03
00070815	2.121E-04	2.080E-04	4.300E-06	1.963E-02	1.930E-02	-3.000E-05	0.1499	0.1510	-0.1015
00070871	1.955E-04	1.950E-04	6.500E-06	1.860E-02	1.870E-02	-1.800E-05	0.1026	0.1170	-1.840E-02
00070872	1.955E-04	1.950E-04	6.500E-06	1.860E-02	1.870E-02	-1.800E-05	0.1026	0.1170	-1.840E-02
00070873	1.955E-04	1.950E-04	6.500E-06	1.860E-02	1.870E-02	-1.800E-05	0.1026	0.1170	-1.840E-02
00070874	1.955E-04	1.950E-04	6.500E-06	1.860E-02	1.870E-02	-1.800E-05	0.1026	0.1170	-1.840E-02
00070875	2.059E-04	2.010E-04	4.900E-06	1.994E-02	2.000E-02	-5.300E-05	0.1437	0.1490	-8.100E-02

D256-10082-2

TABLE 5-1. TEST RESULTS FOR TWIN BUFFER (Continued)

[illegible]

TABLE 5-1. TEST RESULTS FOR TWIN BUFFER (Continued)

17 SEP 75

27-12339

MOTOROLA PART NO.: SC2207

TWIN BUFFER

FILE NAME: SC220749

TITLE: DEVICE: TWIN BUFFER

SERIAL	10		11		12		13		14		15		16		17		18	
	V (OL)	1975	V (OL)	1975	V (OL)	1975	V (OL)	1975	V (OL)	1975	V (OL)	1975	V (OL)	1975	V (OL)	1975	V (OL)	1975
	(7-1)	(7-1)		(7-1)		(7-1)		(7-1)		(7-1)		(7-1)		(7-1)		(7-1)		(7-1)
00070375	7.050E-02	6.907E-02	1.500E-03	1.520E-07	1.410E-07	1.100E-09	1.300E-08	1.100E-08	2.000E-09									
00070376	8.230E-02	8.000E-02	2.300E-03	4.000E-09	1.100E-09	-7.000E-09	1.100E-08	1.100E-08	C.O.									
00070377	8.310E-02	8.200E-02	1.100E-03	1.500E-08	3.100E-08	-1.600E-09	2.000E-08	1.100E-08	9.000E-09									
00070378	8.420E-02	8.300E-02	3.200E-03	3.000E-09	2.000E-07	-6.000E-09	6.000E-09	9.000E-09	-3.000E-09									
00070379	8.530E-02	8.400E-02	1.600E-03	1.800E-07	1.100E-07	1.500E-08	3.000E-09	1.000E-09	2.000E-09									
00070380	8.640E-02	8.500E-02	2.900E-03	1.500E-08	5.100E-08	-2.200E-08	4.100E-08	4.000E-08	1.000E-09									
00070381	8.750E-02	8.600E-02	3.500E-03	1.200E-08	9.100E-08	-3.500E-08	2.000E-09	1.000E-09	1.000E-09									
00070382	8.860E-02	8.700E-02	1.700E-03	1.100E-08	3.100E-08	-1.400E-08	1.300E-08	1.400E-08	1.000E-09									
00070383	8.970E-02	8.800E-02	2.400E-03	1.400E-08	1.200E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070384	9.080E-02	8.900E-02	3.000E-03	1.500E-08	1.300E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070385	9.190E-02	9.000E-02	3.600E-03	1.600E-08	1.400E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070386	9.300E-02	9.100E-02	4.200E-03	1.700E-08	1.500E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070387	9.410E-02	9.200E-02	4.800E-03	1.800E-08	1.600E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070388	9.520E-02	9.300E-02	5.400E-03	1.900E-08	1.700E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070389	9.630E-02	9.400E-02	6.000E-03	2.000E-08	1.800E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070390	9.740E-02	9.500E-02	6.600E-03	2.100E-08	1.900E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070391	9.850E-02	9.600E-02	7.200E-03	2.200E-08	2.000E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070392	9.960E-02	9.700E-02	7.800E-03	2.300E-08	2.100E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070393	1.000E-02	9.800E-02	8.400E-03	2.400E-08	2.200E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070394	1.010E-02	9.900E-02	9.000E-03	2.500E-08	2.300E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070395	1.020E-02	1.000E-02	9.600E-03	2.600E-08	2.400E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070396	1.030E-02	1.010E-02	1.020E-03	2.700E-08	2.500E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070397	1.040E-02	1.020E-02	1.080E-03	2.800E-08	2.600E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070398	1.050E-02	1.030E-02	1.140E-03	2.900E-08	2.700E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070399	1.060E-02	1.040E-02	1.200E-03	3.000E-08	2.800E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070400	1.070E-02	1.050E-02	1.260E-03	3.100E-08	2.900E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070401	1.080E-02	1.060E-02	1.320E-03	3.200E-08	3.000E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070402	1.090E-02	1.070E-02	1.380E-03	3.300E-08	3.100E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070403	1.100E-02	1.080E-02	1.440E-03	3.400E-08	3.200E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070404	1.110E-02	1.090E-02	1.500E-03	3.500E-08	3.300E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070405	1.120E-02	1.100E-02	1.560E-03	3.600E-08	3.400E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070406	1.130E-02	1.110E-02	1.620E-03	3.700E-08	3.500E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070407	1.140E-02	1.120E-02	1.680E-03	3.800E-08	3.600E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070408	1.150E-02	1.130E-02	1.740E-03	3.900E-08	3.700E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070409	1.160E-02	1.140E-02	1.800E-03	4.000E-08	3.800E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070410	1.170E-02	1.150E-02	1.860E-03	4.100E-08	3.900E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070411	1.180E-02	1.160E-02	1.920E-03	4.200E-08	4.000E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070412	1.190E-02	1.170E-02	1.980E-03	4.300E-08	4.100E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070413	1.200E-02	1.180E-02	2.040E-03	4.400E-08	4.200E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070414	1.210E-02	1.190E-02	2.100E-03	4.500E-08	4.300E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070415	1.220E-02	1.200E-02	2.160E-03	4.600E-08	4.400E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070416	1.230E-02	1.210E-02	2.220E-03	4.700E-08	4.500E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070417	1.240E-02	1.220E-02	2.280E-03	4.800E-08	4.600E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070418	1.250E-02	1.230E-02	2.340E-03	4.900E-08	4.700E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070419	1.260E-02	1.240E-02	2.400E-03	5.000E-08	4.800E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070420	1.270E-02	1.250E-02	2.460E-03	5.100E-08	4.900E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070421	1.280E-02	1.260E-02	2.520E-03	5.200E-08	5.000E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070422	1.290E-02	1.270E-02	2.580E-03	5.300E-08	5.100E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070423	1.300E-02	1.280E-02	2.640E-03	5.400E-08	5.200E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070424	1.310E-02	1.290E-02	2.700E-03	5.500E-08	5.300E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070425	1.320E-02	1.300E-02	2.760E-03	5.600E-08	5.400E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070426	1.330E-02	1.310E-02	2.820E-03	5.700E-08	5.500E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070427	1.340E-02	1.320E-02	2.880E-03	5.800E-08	5.600E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070428	1.350E-02	1.330E-02	2.940E-03	5.900E-08	5.700E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070429	1.360E-02	1.340E-02	3.000E-03	6.000E-08	5.800E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									
00070430	1.370E-02	1.350E-02	3.060E-03	6.100E-08	5.900E-08	-1.400E-08	1.300E-08	1.000E-09	1.000E-09									

TABLE S-1. TEST RESULTS FOR TWIN BUFFER (Continued)

FILE NAME: SC2207A		TITLE: DEVICE: TWIN BUFFER		MOTOROLA PART NO.: SC2207		SNEDEC PART NO.: 27-10339		17 SEP 75	
SERIAL	10 1967 V (M)	11 1975 V (M)	12 DELTA V (M)	13 1967 I (A)	14 1975 I (A)	15 DELTA I (A)	16 1967 I (A)	17 1975 I (A)	18 DELTA I (A)
	(17-1)	(17-1)	(17-1)	(1-2)	(1-2)	(1-2)	(3-5)	(3-5)	(3-5)
00070976	9.060E-02	8.800E-02	2.400E-03	1.000E-09	1.000E-09	0.0	1.000E-09	1.000E-09	0.0
00070977	9.610E-02	9.400E-02	2.100E-03	2.000E-09	1.000E-09	1.000E-09	3.000E-09	1.000E-09	2.000E-09
00070978	9.600E-02	9.700E-02	1.700E-03	0.0	1.000E-09	-1.000E-09	3.000E-09	3.000E-09	2.000E-09
00070979	0.1012	0.1010	2.000E-04	3.000E-09	1.000E-09	2.000E-09	2.000E-09	1.000E-09	1.000E-09
00070980	9.420E-02	9.200E-02	2.200E-03	2.000E-09	1.000E-09	0.0	3.000E-09	1.000E-09	2.000E-09
00070981	9.320E-02	9.100E-02	2.200E-03	1.000E-09	1.000E-09	0.0	3.000E-09	1.000E-09	2.000E-09
00070982	8.640E-02	8.400E-02	2.400E-03	2.000E-09	1.000E-09	1.000E-09	3.000E-09	1.000E-09	2.000E-09
00070983	5.840E-02	5.600E-02	2.400E-03	2.000E-09	1.000E-09	1.000E-09	6.000E-09	1.000E-09	5.000E-09
00070984	8.050E-02	7.900E-02	1.500E-03	2.000E-09	1.000E-09	0.0	2.000E-09	1.000E-09	1.000E-09
00070985	9.790E-02	9.600E-02	1.600E-03	1.000E-09	1.000E-09	0.0	2.000E-09	1.000E-09	1.000E-09
00070986	0.1096	0.1090	6.000E-04	2.000E-09	1.000E-09	1.000E-09	2.000E-09	1.000E-09	1.000E-09
00070987	8.800E-02	8.600E-02	2.300E-03	1.000E-09	1.000E-09	0.0	1.000E-09	1.000E-09	0.0
00070988	7.200E-02	7.000E-02	2.300E-03	1.000E-09	1.000E-09	0.0	7.000E-09	1.000E-09	-2.000E-09
00070989	8.060E-02	7.800E-02	2.600E-03	1.000E-09	1.000E-09	0.0	6.000E-09	1.000E-09	1.000E-09
00070990	8.640E-02	8.400E-02	2.400E-03	2.000E-09	1.000E-09	1.000E-09	4.000E-09	1.000E-09	3.000E-09
00070991	8.270E-02	8.000E-02	2.700E-03	6.000E-09	1.000E-09	-5.000E-09	3.000E-09	1.000E-09	2.000E-09
00070992	8.600E-02	8.400E-02	3.000E-03	3.000E-09	1.000E-09	-2.000E-09	4.000E-09	1.000E-09	3.000E-09
00070993	8.290E-02	8.000E-02	2.900E-03	8.000E-09	1.000E-09	-3.000E-09	7.000E-09	1.000E-09	1.000E-09
00070994	7.800E-02	7.600E-02	2.600E-03	4.000E-09	1.000E-09	-3.000E-09	5.000E-09	1.000E-09	4.000E-09
00070995	9.970E-02	9.700E-02	2.700E-03	2.000E-09	1.000E-09	-4.000E-09	1.300E-09	1.000E-09	2.000E-09
00070996	7.330E-02	7.100E-02	2.300E-03	3.000E-09	1.000E-09	-2.000E-09	1.800E-09	1.000E-09	7.000E-09
00070997	7.040E-02	6.800E-02	2.400E-03	6.000E-09	1.000E-09	-5.000E-09	4.000E-09	1.000E-09	5.000E-09
00070998	8.130E-02	7.900E-02	2.300E-03	7.000E-09	1.000E-09	-6.000E-09	3.000E-09	1.000E-09	2.000E-09
00070999	9.400E-02	9.200E-02	1.900E-03	1.400E-09	1.000E-09	-4.000E-09	3.000E-09	1.000E-09	2.000E-09
00071000	9.390E-02	9.100E-02	2.700E-03	3.000E-09	1.000E-09	-2.000E-09	1.000E-09	1.000E-09	2.000E-09
00071001	7.290E-02	7.100E-02	1.900E-03	2.300E-09	1.000E-09	-1.000E-09	2.000E-09	1.000E-09	5.000E-09
00071002	7.510E-02	7.300E-02	2.100E-03	1.000E-09	1.000E-09	-2.000E-09	3.000E-09	1.000E-09	7.000E-09
00071003	9.750E-02	9.500E-02	1.500E-03	4.000E-09	1.000E-09	-3.000E-09	2.000E-09	1.000E-09	3.000E-09
00071004	6.840E-02	6.600E-02	1.600E-03	4.000E-09	1.000E-09	-3.000E-09	2.000E-09	1.000E-09	5.000E-09
00071005	6.540E-02	6.300E-02	1.600E-03	4.000E-09	1.000E-09	-3.000E-09	2.000E-09	1.000E-09	5.000E-09
00071006	9.160E-02	8.900E-02	2.600E-03	1.000E-09	1.000E-09	-2.000E-09	3.000E-09	1.000E-09	2.000E-09
00071007	7.650E-02	7.400E-02	1.500E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	8.000E-09
00071008	7.250E-02	7.000E-02	2.500E-03	6.000E-09	1.000E-09	-5.000E-09	4.000E-09	1.000E-09	5.000E-09
00071009	8.050E-02	7.800E-02	1.600E-03	1.000E-09	1.000E-09	-2.000E-09	3.000E-09	1.000E-09	8.000E-09
00071010	8.710E-02	8.400E-02	1.100E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	5.000E-09
00071011	8.400E-02	8.100E-02	3.000E-03	1.000E-09	1.000E-09	-2.000E-09	3.000E-09	1.000E-09	8.000E-09
00071012	8.190E-02	7.900E-02	2.900E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	8.000E-09
00071013	8.590E-02	8.300E-02	2.500E-03	3.000E-09	1.000E-09	-2.000E-09	3.000E-09	1.000E-09	8.000E-09
00071014	7.750E-02	7.400E-02	1.500E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	8.000E-09
00071015	6.640E-02	6.300E-02	2.400E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	8.000E-09
00071016	7.770E-02	7.400E-02	1.700E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	8.000E-09
00071017	6.640E-02	6.300E-02	2.400E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	8.000E-09
00071018	7.610E-02	7.300E-02	2.700E-03	2.000E-09	1.000E-09	-1.000E-09	3.000E-09	1.000E-09	8.000E-09
00071019	8.620E-02	8.300E-02	2.700E-03	3.000E-09	1.000E-09	-2.000E-09	3.000E-09	1.000E-09	8.000E-09
00071020	9.150E-02	8.800E-02	2.500E-03	1.000E-09	1.000E-09	-2.000E-09	3.000E-09	1.000E-09	8.000E-09

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TABLE 5-1. TEST RESULTS FOR TWIN BUFFER (Continued)

FILE NAME: SC2207AR	TITLE: DEVICES TWIN BUFFER		MOTOROLA PART NO.: SC2207		AGING PAST NO.: 27-10339		17 SEP 75	
	SERIAL	19	20	21	DELTA	DELTA	DELTA	DELTA
		1 (L)	1 (L)	1 (L)				
		(A)	(A)	(A)	(A)	(A)	(A)	(A)
00070375	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070376	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070377	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070435	1.0035-05	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070438	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070439	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070440	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070441	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070442	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070443	7.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070444	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070445	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070446	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070447	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070448	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070449	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070450	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070451	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070452	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070509	3.0035-04	6.0035-06	6.0035-06	6.0035-06	-2.5005-04	-2.5005-04	-2.5005-04	-2.5005-04
00070510	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070512	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070513	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070514	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070515	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070516	7.0035-05	7.4035-05	7.4035-05	7.4035-05	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070517	5.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070519	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070519	3.0035-05	3.0035-05	3.0035-05	3.0035-05	-5.0005-07	-5.0005-07	-5.0005-07	-5.0005-07
00070520	2.0035-04	5.0035-05	5.0035-05	5.0035-05	-3.0005-06	-3.0005-06	-3.0005-06	-3.0005-06
00070521	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070523	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070524	1.0035-04	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070529	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070530	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070531	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070532	6.0035-05	7.0035-05	7.0035-05	7.0035-05	-2.0005-04	-2.0005-04	-2.0005-04	-2.0005-04
00070534	3.0035-05	4.0035-05	4.0035-05	4.0035-05	-2.0005-04	-2.0005-04	-2.0005-04	-2.0005-04
00070535	6.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070536	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070537	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070538	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070539	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070540	3.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070541	2.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04
00070542	6.0035-06	9.0035-06	9.0035-06	9.0035-06	-2.5005-04	-2.5005-04	-2.5005-04	-2.5005-04
00070543	3.0035-05	3.0035-05	3.0035-05	3.0035-05	-2.0005-04	-2.0005-04	-2.0005-04	-2.0005-04
00070544	7.0035-04	1.0035-04	1.0035-04	1.0035-04	-2.0005-04	-2.0005-04	-2.0005-04	-2.0005-04
00070545	8.0035-07	2.0005-04	2.0005-04	2.0005-04	-1.0005-04	-1.0005-04	-1.0005-04	-1.0005-04

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TABLE 5-1. TEST RESULTS FOR TWIN BUFFER (Continued)

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REFUGEE PART NO.: 27-10339

WYOMINGLA PART 47.1 SC2297

TYPE: DEVICE: TWIN AUGER

FILE NAME: SC2207A9

SERIAL	19	20	21
	1967	1975	NETA
	1 (L)	1 (L)	1 (L)
	(9)	(9)	(9)

00070651	2.743E-05	3.003E-05	-2.600E-06
00070653	3.003E-07	2.003E-06	-1.700E-06
00070654	2.003E-07	2.003E-06	-1.700E-06
00070655	3.003E-07	2.003E-06	-1.700E-06
00070656	2.003E-07	2.003E-06	-1.700E-06
00070657	2.003E-07	2.003E-06	-1.700E-06
00070658	2.003E-07	2.003E-06	-1.700E-06
00070659	3.003E-07	2.003E-06	-1.700E-06
00070660	3.003E-07	2.003E-06	-1.700E-06
00070662	2.003E-07	2.003E-06	-1.700E-06
00070663	2.003E-07	2.003E-06	-1.700E-06
00070664	3.003E-05	4.203E-05	-2.003E-06
00070665	2.003E-07	2.003E-06	-1.700E-06
00070667	3.003E-05	3.003E-05	-1.700E-06
00070668	3.003E-07	2.003E-06	-1.700E-06
00070723	3.003E-05	3.003E-05	-1.700E-06
00070724	2.003E-07	2.003E-06	-1.700E-06
00070726	2.003E-07	2.003E-06	-1.700E-06
00070728	2.003E-07	2.003E-06	-1.700E-06
00070729	2.003E-07	2.003E-06	-1.700E-06
00070730	2.003E-07	2.003E-06	-1.700E-06
00070731	3.003E-07	2.003E-06	-1.700E-06
00070732	0.0	2.003E-06	-2.003E-06
00070733	2.003E-07	2.003E-06	-1.700E-06
00070734	2.003E-07	2.003E-06	-1.700E-06
00070736	2.003E-07	2.003E-06	-1.700E-06
00070737	2.003E-07	2.003E-06	-1.700E-06
00070740	3.003E-07	2.003E-06	-1.700E-06
00070748	3.003E-07	2.003E-06	-1.700E-06
00070749	3.003E-07	2.003E-06	-1.700E-06
00070800	6.003E-07	2.003E-06	-1.700E-06
00070801	3.003E-07	2.003E-06	-1.700E-06
00070803	3.003E-07	2.003E-06	-1.700E-06
00070804	3.003E-07	2.003E-06	-1.700E-06
00070805	3.003E-07	2.003E-06	-1.700E-06
00070806	3.003E-07	2.003E-06	-1.700E-06
00070827	6.003E-07	2.003E-06	-1.700E-06
00070829	3.003E-07	2.003E-06	-1.700E-06
00070839	3.003E-07	2.003E-06	-1.700E-06
00070810	3.003E-07	2.003E-06	-1.700E-06
00070811	3.003E-07	2.003E-06	-1.700E-06
00070812	3.003E-07	2.003E-06	-1.700E-06
00070813	3.003E-07	2.003E-06	-1.700E-06
00070814	3.003E-07	2.003E-06	-1.700E-06
00070815	3.003E-07	2.003E-06	-1.700E-06
00070871	3.003E-07	2.003E-06	-1.700E-06
00070872	3.003E-07	2.003E-06	-1.700E-06
00070873	3.003E-07	2.003E-06	-1.700E-06
00070874	3.003E-07	2.003E-06	-1.700E-06
00070875	3.003E-07	2.003E-06	-1.700E-06

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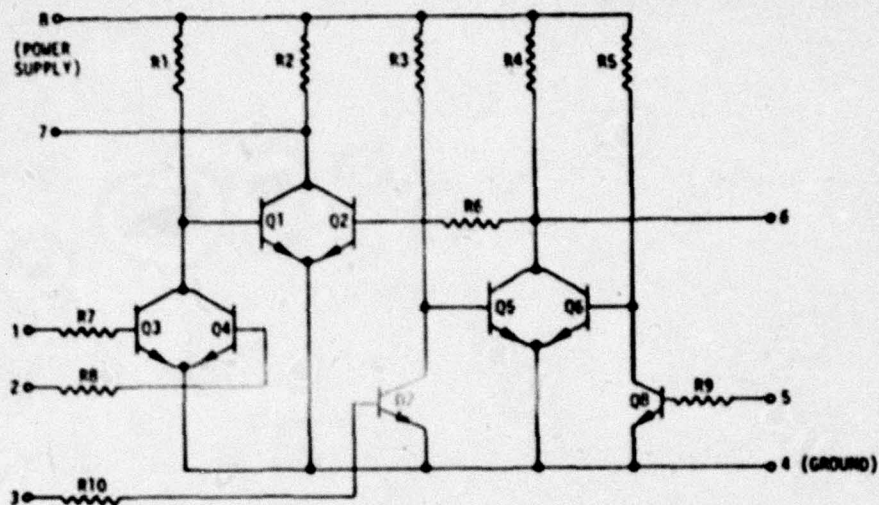
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5.2 ADDER TEST RESULTS

Figure 5-2 and Table 5-II present the circuit diagrams and the test results, respectively, for the Adder devices. The table lists both the original 1967 test and the 1975 test values, as well as the difference (delta) between them. The left-hand column titled "SERIAL" contains the part serial number. All current values are listed in ampere units, while all voltage values are in volt units. The standard computer printout convention has been used to denote exponents, i.e., $1.234\text{E-}02 = 1.234 \times 10^{-2}$ or 0.01234.

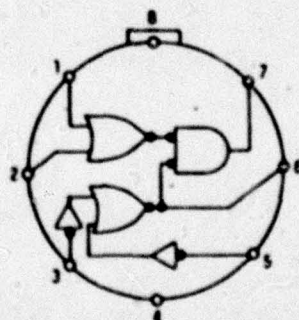
The actual test input conditions used for each of the six parameter measurements made on the Adder devices can be found in the Appendix to this volume, Figures A-2 (a) through A-2 (f).

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R1, R2, R3, R4, R5 = 3.6K $\pm 20\%$
R6, R7, R8, R9, R10 = 1.5K $\pm 20\%$

WIRING DIAGRAM


$$7 = (1 + 2) \cdot (\overline{3} + \overline{3})$$

LOGIC DIAGRAM

VOLTAGE SPECIFICATIONS	
INPUT VOLTAGE	SPECIFICATION AT 25°C
POWER SUPPLY (NOMINAL)	3.00V
POWER SUPPLY (MAXIMUM)	3.67V
MAXIMUM "OFF" VOLTAGE	0.47V
MINIMUM "ON" VOLTAGE	0.75V
SATURATION VOLTAGE	0.81V
MINIMUM DRIVE VOLTAGE	1.80V
LOW LEVEL VOLTAGE FOR LEAKAGE CHECK	0.40V

FIGURE 5-2 WIRING AND LOGIC DIAGRAMS FOR ADDER

TABLE 5-2. TEST RESULTS FOR ADDER

FILE NAME: SC2208AB		TITLE: DEVICE: ADDER		MOTOROLA PART NO.: 55208		AGING PART NO.: 27-10330		17 SEP 75	
SERIAL	1 1967 (IN)	2 1975 (IN)	3 DELTA 1 (IN)	4 1967 (IN)	5 1975 (IN)	6 DELTA (IN)	7 1967 (IN)	8 1975 (IN)	9 DELTA (IN)
00090004	9.110E-05	7.720E-05	1.400E-05	4.622E-04	4.680E-04	-5.800E-06	5.417E-04	5.650E-04	-4.100E-06
00090007	8.260E-05	8.000E-05	2.400E-06	4.849E-04	4.910E-04	-6.200E-06	5.489E-04	5.710E-04	-6.200E-06
00090009	8.190E-05	7.950E-05	2.400E-06	4.752E-04	4.810E-04	-7.800E-06	5.571E-04	5.610E-04	-3.900E-06
00090009	8.220E-05	7.960E-05	2.400E-06	4.840E-04	4.910E-04	-7.000E-06	5.567E-04	5.710E-04	-5.000E-06
00090010	7.980E-05	7.750E-05	2.100E-05	4.763E-04	4.830E-04	-6.700E-06	5.545E-04	5.590E-04	-4.400E-06
00090011	8.100E-05	8.040E-05	2.400E-06	4.715E-04	4.780E-04	-6.500E-06	5.538E-04	5.630E-04	-4.700E-06
00090012	8.120E-05	7.940E-05	2.400E-06	4.733E-04	4.810E-04	-7.200E-06	5.572E-04	5.640E-04	-4.300E-06
00090013	8.280E-05	7.910E-05	3.700E-06	4.760E-04	4.840E-04	-8.000E-06	5.545E-04	5.620E-04	-3.400E-06
00090014	8.110E-05	7.960E-05	2.500E-06	4.753E-04	4.810E-04	-5.700E-06	5.501E-04	5.630E-04	-2.600E-06
00090015	7.950E-05	7.730E-05	2.700E-06	4.728E-04	4.800E-04	-7.100E-06	5.551E-04	5.600E-04	-4.700E-06
00090016	9.570E-05	9.250E-05	3.100E-06	5.722E-04	5.780E-04	-5.800E-06	6.518E-04	6.550E-04	-3.400E-06
00090017	8.240E-05	8.320E-05	-4.000E-07	4.707E-04	4.810E-04	-1.300E-06	5.592E-04	5.610E-04	-1.900E-06
00090018	9.240E-05	9.050E-05	2.100E-06	4.742E-04	4.810E-04	-5.800E-06	5.527E-04	5.560E-04	-3.300E-06
00090018	7.100E-05	6.840E-05	2.400E-06	4.598E-04	4.650E-04	-4.200E-06	5.408E-04	5.450E-04	-4.200E-06
00090019	9.120E-05	9.120E-05	2.400E-07	5.148E-04	5.190E-04	-4.500E-06	6.054E-04	6.090E-04	-3.200E-06
00090020	7.300E-05	7.130E-05	2.600E-06	4.845E-04	4.910E-04	-7.500E-06	5.563E-04	5.610E-04	-4.200E-06
00090021	8.510E-05	8.150E-05	3.600E-06	5.318E-04	5.440E-04	-1.000E-05	6.351E-04	6.420E-04	-6.500E-06
00090022	7.330E-05	7.160E-05	1.700E-06	4.818E-04	4.870E-04	-5.700E-06	5.557E-04	5.590E-04	-3.300E-06
00090023	8.590E-05	8.420E-05	1.700E-06	5.821E-04	5.870E-04	-5.900E-06	6.713E-04	5.760E-04	-4.100E-06
00090024	9.430E-05	9.170E-05	2.600E-06	5.777E-04	5.900E-04	-7.500E-06	6.665E-04	6.710E-04	-4.400E-06
00090025	8.300E-05	8.040E-05	2.400E-06	5.011E-04	5.090E-04	-7.900E-06	5.421E-04	5.470E-04	-4.900E-06
00090026	9.420E-05	9.050E-05	3.700E-06	5.263E-04	5.330E-04	-7.000E-06	7.274E-04	7.320E-04	-4.400E-06
00090027	9.070E-05	7.830E-05	2.400E-06	5.003E-04	5.080E-04	-7.200E-06	5.901E-04	5.950E-04	-4.900E-06
00090028	9.160E-05	8.960E-05	4.000E-06	4.908E-04	4.980E-04	-7.200E-06	7.475E-04	7.520E-04	-4.400E-06
00090029	8.330E-05	7.810E-05	2.700E-06	4.970E-04	5.040E-04	-7.000E-06	5.758E-04	5.740E-04	-1.800E-06
00090030	7.230E-05	7.230E-05	4.000E-07	4.692E-04	4.730E-04	-3.100E-06	5.413E-04	5.440E-04	-2.700E-06
00090031	8.120E-05	8.010E-05	1.100E-05	4.841E-04	4.890E-04	-4.500E-06	5.653E-04	5.690E-04	-2.500E-06
00090032	8.130E-05	7.930E-05	2.000E-06	4.947E-04	5.010E-04	-6.100E-06	5.837E-04	5.840E-04	-6.300E-06
00090033	9.150E-05	7.990E-05	1.600E-06	4.892E-04	4.950E-04	-5.800E-06	5.717E-04	5.740E-04	-2.800E-06
00090034	8.930E-05	8.670E-05	2.700E-06	4.582E-04	4.610E-04	-5.800E-06	5.243E-04	5.320E-04	-3.400E-06
00090035	9.270E-05	7.960E-05	3.100E-06	4.935E-04	5.010E-04	-7.500E-06	5.745E-04	5.780E-04	-3.500E-06
00090036	7.470E-05	7.100E-05	1.900E-06	4.836E-04	4.890E-04	-9.100E-06	5.724E-04	5.770E-04	-4.200E-06
00090037	8.230E-05	7.770E-05	4.600E-06	5.287E-04	5.380E-04	-9.300E-06	5.703E-04	5.740E-04	-5.300E-06
00090038	8.230E-05	7.770E-05	4.600E-06	4.846E-04	4.900E-04	-1.100E-05	5.687E-04	5.750E-04	-6.100E-06
00090039	8.570E-05	8.150E-05	5.200E-06	5.821E-04	5.930E-04	-1.090E-05	6.750E-04	6.820E-04	-7.000E-06
00090040	8.360E-05	7.750E-05	3.400E-06	4.859E-04	4.930E-04	-9.100E-06	5.582E-04	5.610E-04	-4.800E-06
00090041	8.500E-05	8.160E-05	3.400E-06	5.008E-04	5.090E-04	-4.400E-06	5.837E-04	5.840E-04	-5.100E-06
00090042	8.300E-05	7.750E-05	3.400E-06	5.008E-04	5.090E-04	-4.400E-06	5.837E-04	5.840E-04	-5.100E-06
00090043	7.490E-05	7.540E-05	3.400E-06	4.945E-04	5.030E-04	-8.600E-06	5.590E-04	5.650E-04	-5.100E-06
00090044	9.130E-05	9.130E-05	5.200E-07	5.845E-04	5.710E-04	-1.400E-05	6.807E-04	6.840E-04	-3.300E-06
00090045	8.280E-05	7.940E-05	3.200E-06	4.931E-04	5.020E-04	-9.700E-06	5.758E-04	5.740E-04	-4.500E-06
00090046	8.110E-05	7.750E-05	2.500E-06	4.803E-04	4.700E-04	-6.000E-06	5.350E-04	5.370E-04	-4.000E-06
00090047	8.170E-05	8.050E-05	3.000E-06	4.928E-04	5.020E-04	-7.200E-06	5.845E-04	5.900E-04	-4.500E-06
00090048	8.160E-05	8.050E-05	3.000E-06	4.928E-04	5.020E-04	-7.200E-06	5.845E-04	5.900E-04	-4.500E-06
00090049	7.530E-05	7.130E-05	4.000E-06	4.608E-04	4.640E-04	-7.100E-06	5.331E-04	5.380E-04	-4.700E-06
00090050	9.110E-05	8.130E-05	4.000E-07	4.845E-04	4.910E-04	-4.500E-06	5.557E-04	5.600E-04	-3.700E-06
00090051	7.340E-05	7.120E-05	1.200E-06	4.624E-04	4.670E-04	-4.600E-06	5.677E-04	5.690E-04	-3.100E-06
00090052	7.160E-05	7.260E-05	1.000E-06	4.340E-04	4.340E-04	-1.000E-06	5.320E-04	5.350E-04	-3.000E-06

D256-10082-2

TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

FILE NAME: SC2208AB	TITLE: DEVICE: ADDER	MOTOROLA PART NO.: C52208					ROEING PART NO.: 27-10330					17 SEP 75
SERIAL	1 1967 (11)	2 1975 (11)	3 DELTA (11)	4 1967 (6)	5 1975 (6)	6 DELTA (6)	7 1967 (7-11)	8 1975 (7-11)	9 DELTA (7-11)			
00000233	8.190E-05	8.063E-04	1.300E-06	4.879E-04	4.920E-04	-4.100E-06	5.699E-04	5.710E-04	-3.200E-06			
00000234	8.220E-05	7.910E-04	1.100E-06	4.809E-04	4.953E-04	-4.100E-06	5.663E-04	5.690E-04	-3.000E-06			
00000235	7.170E-05	7.163E-05	2.100E-06	4.646E-04	4.703E-04	-5.600E-06	5.613E-04	5.610E-04	-4.700E-06			
00000237	8.660E-05	8.353E-05	1.170E-06	4.646E-04	4.703E-04	-4.600E-06	5.607E-04	5.610E-04	-3.300E-06			
00000239	8.160E-05	8.073E-05	9.000E-07	4.605E-04	4.650E-04	-3.500E-06	5.615E-04	5.650E-04	-3.500E-04			
00000241	8.360E-05	8.240E-05	1.200E-06	4.646E-04	4.670E-04	-5.100E-06	5.649E-04	5.680E-04	-3.100E-06			
00000242	8.310E-05	8.163E-05	9.000E-07	4.656E-04	4.673E-04	-1.400E-06	5.732E-04	5.750E-04	-1.600E-06			
00000243	8.370E-05	8.210E-05	1.600E-06	4.772E-04	4.823E-04	-4.800E-06	5.781E-04	5.820E-04	-3.700E-06			
00000244	8.180E-05	8.027E-05	1.600E-06	4.672E-04	4.713E-04	-5.100E-06	5.555E-04	5.590E-04	-3.600E-06			
00000245	8.660E-05	8.340E-05	1.600E-06	4.746E-04	4.793E-04	-3.600E-06	5.593E-04	5.630E-04	-3.700E-06			
00000246	8.380E-05	8.233E-05	1.500E-06	5.071E-04	5.110E-04	-5.900E-06	5.881E-04	5.920E-04	-3.900E-06			
00000302	8.067E-05	8.150E-05	9.000E-07	4.693E-04	4.740E-04	-1.000E-06	5.657E-04	5.690E-04	-2.300E-06			
00000303	7.430E-05	7.190E-05	4.000E-07	4.604E-04	4.633E-04	-2.600E-06	5.195E-04	5.230E-04	-2.500E-06			
00000304	9.970E-05	9.353E-05	2.000E-07	4.227E-04	4.250E-04	-2.300E-06	5.250E-04	5.270E-04	-2.000E-06			
00000307	7.160E-05	7.250E-05	1.000E-06	4.571E-04	4.585E-04	-9.000E-07	5.169E-04	5.170E-04	-1.100E-06			
00000308	8.500E-05	8.670E-05	3.000E-07	4.872E-04	4.903E-04	-2.800E-06	5.710E-04	5.730E-04	-2.000E-06			
00000310	8.020E-05	7.990E-05	3.000E-07	4.813E-04	4.863E-04	-2.700E-06	5.676E-04	5.700E-04	-2.400E-06			
00000311	7.580E-05	7.570E-05	1.000E-07	4.747E-04	4.780E-04	-2.300E-06	5.546E-04	5.560E-04	-2.200E-06			
00000312	7.270E-05	7.263E-05	9.990E-07	4.679E-04	4.703E-04	-2.100E-06	5.369E-04	5.390E-04	-2.100E-06			
00000313	8.180E-05	8.170E-05	1.000E-07	4.748E-04	4.790E-04	-2.700E-06	5.671E-04	5.700E-04	-2.700E-06			
00000314	1.007E-04	1.306E-04	1.000E-07	4.677E-04	4.693E-04	-2.300E-06	7.443E-04	7.470E-04	-2.700E-06			
00000315	7.190E-05	7.190E-05	1.000E-07	4.669E-04	4.693E-04	-2.100E-06	5.382E-04	5.413E-04	-2.100E-06			
00000316	7.190E-05	7.190E-05	1.000E-07	5.127E-04	5.150E-04	-2.300E-06	6.011E-04	6.040E-04	-2.400E-06			
00000317	8.400E-05	8.420E-05	2.000E-07	4.977E-04	5.025E-04	-2.300E-06	5.805E-04	5.830E-04	-2.500E-06			
00000319	8.570E-05	8.540E-05	3.000E-07	5.042E-04	5.073E-04	-2.800E-06	5.887E-04	5.880E-04	-2.300E-06			
00000374	8.310E-05	8.490E-05	4.000E-07	5.010E-04	5.040E-04	-3.000E-06	5.786E-04	5.820E-04	-3.400E-06			
00000375	9.660E-05	9.510E-05	1.500E-06	4.930E-04	4.940E-04	-5.000E-06	5.753E-04	5.790E-04	-5.000E-06			
00000376	9.980E-05	9.750E-05	2.300E-06	6.210E-04	6.270E-04	-5.000E-06	7.154E-04	7.190E-04	-3.600E-06			
00000377	8.610E-05	8.780E-05	1.700E-06	5.060E-04	5.062E-04	-1.000E-06	5.976E-04	5.990E-04	-1.400E-06			
00000378	7.360E-05	7.270E-05	9.000E-07	4.654E-04	4.703E-04	-5.700E-06	5.424E-04	5.470E-04	-4.200E-06			
00000379	9.130E-05	9.030E-05	3.000E-06	4.654E-04	4.680E-04	-6.700E-06	5.384E-04	5.420E-04	-3.200E-06			
00000380	9.730E-05	9.570E-05	2.100E-06	6.394E-04	6.403E-04	-7.600E-06	7.391E-04	7.430E-04	-3.900E-06			
00000381	9.100E-05	9.070E-05	1.900E-06	6.203E-04	6.253E-04	-4.700E-06	7.371E-04	7.410E-04	-4.000E-06			
00000382	9.100E-05	9.070E-05	1.400E-06	6.499E-04	6.503E-04	-4.600E-06	7.531E-04	7.560E-04	-2.900E-06			
00000383	9.360E-05	9.200E-05	1.400E-06	6.572E-04	6.580E-04	-5.900E-06	7.519E-04	7.540E-04	-4.100E-06			
00000384	9.970E-05	9.760E-05	1.500E-06	6.494E-04	6.503E-04	-5.700E-06	7.450E-04	7.490E-04	-3.600E-06			
00000385	9.110E-05	9.060E-05	1.400E-06	6.354E-04	6.403E-04	-4.700E-06	7.381E-04	7.420E-04	-3.900E-06			
00000386	9.660E-05	9.510E-05	2.400E-06	6.274E-04	6.293E-04	-6.800E-06	7.224E-04	7.270E-04	-4.100E-06			
00000387	9.450E-05	9.310E-05	1.800E-06	5.150E-04	5.225E-04	-6.100E-06	5.936E-04	5.980E-04	-4.600E-06			
00000388	8.670E-05	8.700E-05	1.600E-06	6.352E-04	6.413E-04	-5.800E-06	7.184E-04	7.220E-04	-3.600E-06			
00000389	1.010E-04	9.760E-05	2.500E-06	6.595E-04	6.603E-04	-6.500E-06	7.497E-04	7.540E-04	-4.700E-06			
00000390	9.570E-05	9.400E-05	2.000E-06	6.595E-04	6.603E-04	-6.500E-06	7.144E-04	7.190E-04	-4.100E-06			
00000391	9.070E-05	9.000E-05	2.000E-06	6.491E-04	6.493E-04	-4.700E-06	7.144E-04	7.190E-04	-4.100E-06			
00000392	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000393	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000394	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000395	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000396	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000397	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000398	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000399	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000400	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000401	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000402	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000403	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000404	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000405	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000406	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000407	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000408	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000409	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000410	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000411	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000412	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000413	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000414	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000415	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000416	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000417	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000418	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000419	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000420	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000421	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000422	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000423	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000424	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000425	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000426	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000427	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000428	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000429	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000430	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-06	7.444E-04	7.490E-04	-2.600E-06			
00000431	9.070E-05	9.000E-05	2.300E-06	6.519E-04	6.520E-04	-4.700E-0						

TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

FILE NAME: SC2208A	TITLE: DEVICE: ADDER	MOTOROLA PART NO.: CS2208				BOEING PART NO.: 27-13330				17 SEP 75			
SERIAL	1 1967 (1)	2 1975 (1)	3 DELTA (1)	4 1967 (6)	5 1975 (6)	6 DELTA (6)	7 1967 (7-1)	8 1975 (7-1)	9 DELTA (7-1)				
000R0452	9.590E-05	9.650E-05	-6.000E-07	6.293E-04	6.305E-04	-7.001E-07	7.247E-04	7.270E-04	-2.300E-06				
000R0453	9.290E-05	9.230E-05	6.000E-07	6.622E-04	6.450E-04	-2.800E-06	7.347E-04	7.380E-04	-3.300E-06				
000R0454	8.790E-05	8.580E-05	2.100E-06	5.183E-04	5.250E-04	-8.000E-06	6.031E-04	6.080E-04	-4.700E-06				
000R0455	9.670E-05	9.400E-05	7.700E-06	6.600E-04	6.480E-04	-8.000E-06	7.497E-04	7.540E-04	-4.300E-06				
000R0456	9.540E-05	9.280E-05	2.600E-06	6.472E-04	6.540E-04	-6.600E-06	7.150E-04	7.200E-04	-5.000E-06				
000R0457	1.000E-04	1.020E-04	-1.200E-06	6.576E-04	6.480E-04	-6.000E-07	7.503E-04	7.520E-04	-1.200E-06				
000R0458	9.520E-05	9.340E-05	1.800E-06	6.129E-04	6.190E-04	-6.100E-06	7.107E-04	7.140E-04	-3.300E-06				
000R0459	9.540E-05	9.320E-05	2.200E-06	6.243E-04	6.310E-04	-6.700E-06	7.261E-04	7.300E-04	-3.900E-06				
000R0460	9.570E-05	9.360E-05	2.100E-06	6.268E-04	6.320E-04	-5.200E-06	7.184E-04	7.230E-04	-3.600E-06				
000R0461	9.420E-05	9.550E-05	1.700E-06	6.291E-04	6.340E-04	-4.900E-06	7.322E-04	7.420E-04	-3.500E-06				
000R0462	9.460E-05	9.230E-05	2.300E-06	6.389E-04	6.440E-04	-6.100E-06	7.322E-04	7.360E-04	-3.800E-06				
000R0463	9.760E-05	9.400E-05	3.600E-06	6.192E-04	6.280E-04	-5.500E-06	7.171E-04	7.220E-04	-4.900E-06				
000R0464	9.570E-05	9.360E-05	2.100E-06	6.166E-04	6.220E-04	-5.500E-06	7.107E-04	7.160E-04	-3.300E-06				
000R0519	9.560E-05	9.460E-05	1.000E-06	6.198E-04	6.230E-04	-6.200E-06	7.054E-04	7.090E-04	-2.800E-06				
000R0520	9.520E-05	9.390E-05	1.300E-06	6.082E-04	6.120E-04	-4.000E-06	7.054E-04	7.130E-04	-3.500E-06				
000R0521	9.420E-05	9.300E-05	3.000E-07	6.507E-04	6.420E-04	-3.800E-06	7.054E-04	7.090E-04	-2.800E-06				
000R0522	8.500E-05	8.400E-05	6.000E-07	5.017E-04	5.050E-04	-3.300E-06	7.460E-04	7.490E-04	-2.200E-06				
000R0523	9.160E-05	9.700E-05	1.600E-06	6.297E-04	6.340E-04	-6.300E-06	7.351E-04	7.380E-04	-2.900E-06				
000R0524	9.060E-05	8.290E-05	1.400E-06	6.086E-04	6.130E-04	-5.400E-06	7.054E-04	7.060E-04	-3.700E-06				
000R0525	9.570E-05	9.440E-05	1.300E-06	6.192E-04	6.240E-04	-5.000E-06	7.375E-04	7.410E-04	-3.500E-06				
000R0526	9.590E-05	9.460E-05	1.300E-06	6.176E-04	6.220E-04	-6.400E-06	7.248E-04	7.280E-04	-3.200E-06				
000R0527	9.560E-05	9.340E-05	2.200E-06	6.476E-04	6.540E-04	-6.400E-06	7.345E-04	7.380E-04	-3.600E-06				
000R0528	9.520E-05	9.410E-05	1.100E-06	6.317E-04	6.350E-04	-3.300E-06	7.290E-04	7.330E-04	-3.200E-06				
000R0529	9.330E-05	9.190E-05	1.400E-06	6.305E-04	6.240E-04	-3.700E-06	7.395E-04	7.340E-04	-3.200E-06				
000R0530	9.660E-05	9.720E-05	1.400E-06	6.335E-04	6.380E-04	-5.500E-06	7.375E-04	7.410E-04	-3.600E-06				
000R0531	9.790E-05	9.730E-05	2.000E-07	6.276E-04	6.340E-04	-5.400E-06	7.255E-04	7.270E-04	-2.500E-06				
000R0532	9.480E-05	9.320E-05	1.600E-06	6.318E-04	6.370E-04	-5.200E-06	7.280E-04	7.310E-04	-3.000E-06				
000R0533	9.430E-05	9.460E-05	1.700E-06	6.562E-04	6.520E-04	-5.800E-06	7.456E-04	7.490E-04	-3.400E-06				
000R0534	9.220E-05	9.130E-05	9.000E-07	6.430E-04	6.470E-04	-4.000E-06	7.351E-04	7.380E-04	-2.900E-06				
000R0535	9.340E-05	9.190E-05	1.500E-06	6.274E-04	6.310E-04	-6.000E-06	7.131E-04	7.160E-04	-2.900E-06				
000R0536	9.420E-05	9.480E-05	1.400E-06	6.335E-04	6.380E-04	-6.500E-06	7.491E-04	7.520E-04	-2.900E-06				
000R0537	9.680E-05	9.720E-05	-4.000E-07	6.154E-04	6.170E-04	-1.600E-06	7.390E-04	7.420E-04	-2.100E-06				
000R0592	9.040E-05	8.760E-05	2.800E-06	5.505E-04	5.580E-04	-6.500E-06	6.592E-04	6.500E-04	-4.800E-06				
000R0593	9.100E-05	8.820E-05	3.000E-06	5.795E-04	5.870E-04	-2.500E-06	6.592E-04	6.500E-04	-5.100E-06				
000R0594	8.680E-05	8.600E-05	2.000E-07	5.665E-04	5.690E-04	-2.500E-06	6.322E-04	6.350E-04	-2.800E-06				
000R0595	9.720E-05	9.480E-05	-1.600E-06	5.641E-04	5.810E-04	-1.100E-06	6.659E-04	6.710E-04	-1.100E-06				
000R0596	8.700E-05	8.550E-05	1.500E-06	5.613E-04	6.070E-04	-5.700E-06	6.819E-04	6.860E-04	-4.100E-06				
000R0597	8.520E-05	8.520E-05	0.0	5.620E-04	5.650E-04	-6.100E-06	6.819E-04	6.810E-04	-2.700E-06				
000R0598	8.720E-05	8.450E-05	7.000E-07	5.813E-04	5.860E-04	-3.700E-06	6.644E-04	6.690E-04	-3.600E-06				
000R0599	8.910E-05	8.910E-05	1.000E-06	5.810E-04	5.240E-04	-3.700E-06	6.341E-04	6.370E-04	-2.500E-06				
000R0600	8.620E-05	8.540E-05	8.000E-07	5.203E-04	5.240E-04	-3.700E-06	6.341E-04	6.050E-04	-2.500E-06				
000R0601	9.120E-05	9.040E-05	8.000E-07	5.663E-04	6.010E-04	-5.700E-06	6.796E-04	6.840E-04	-4.600E-06				
000R0602	9.430E-05	8.340E-05	9.000E-07	5.555E-04	5.500E-04	-5.300E-06	6.287E-04	6.320E-04	-3.300E-06				
000R0603	9.100E-05	8.630E-05	1.600E-06	5.755E-04	5.710E-04	-5.300E-06	6.654E-04	6.730E-04	-3.600E-06				
000R0604	8.630E-05	8.700E-05	-1.000E-07	5.813E-04	5.620E-04	-6.300E-06	6.592E-04	6.500E-04	-2.400E-06				
000R0605	8.830E-05	8.600E-05	1.600E-06	5.903E-04	5.950E-04	-5.000E-06	6.790E-04	6.820E-04	-4.100E-06				
000R0606	8.110E-05	8.070E-05	1.600E-06	5.456E-04	5.460E-04	-6.200E-06	6.347E-04	6.430E-04	-3.300E-06				
000R0607	8.640E-05	8.630E-05	2.000E-07	5.813E-04	5.550E-04	-2.900E-06	6.195E-04	5.720E-04	-2.600E-06				
000R0608	8.640E-05	8.400E-05	6.000E-07	5.211E-04	5.340E-04	-2.900E-06	6.195E-04	5.720E-04	-2.600E-06				
000R0609	8.400E-05	8.780E-05	2.000E-07	5.250E-04	5.290E-04	-3.100E-06	6.204E-04	5.730E-04	-2.600E-06				

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TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

FILE NAME: SC2208A		TITLE: DEVICE: ADDER		MOTOROLA PART NO.: CS2208		ROEING PART NO.: 27-10330		17 SEP 75	
SERIAL	1 1967 (IN)	2 1975 (IN)	3 DELTA (IN)	4 1967 (OUT)	5 1975 (OUT)	6 DELTA (OUT)	7 1967 (OUT)	8 1975 (OUT)	9 DELTA (OUT)
	(1)	(1)	(1)	(6)	(6)	(6)	(7-1)	(7-1)	(7-1)
00000082	9.002E-05	8.650E-05	4.400E-05	5.266E-04	5.370E-04	-1.000E-05	6.347E-04	5.410E-04	-6.300E-06
00000083	9.060E-05	8.760E-05	3.000E-06	5.440E-04	5.400E-04	-7.300E-06	6.251E-04	6.290E-04	-3.900E-06
00000084	8.970E-05	8.770E-05	2.000E-06	5.877E-04	5.940E-04	-6.300E-06	6.726E-04	6.770E-04	-4.400E-06
00000085	8.880E-05	8.670E-05	2.100E-06	5.894E-04	5.960E-04	-6.500E-06	6.740E-04	6.790E-04	-5.000E-06
00000086	9.050E-05	8.850E-05	2.100E-06	6.055E-04	6.110E-04	-7.500E-06	6.912E-04	6.960E-04	-4.800E-06
00000087	8.930E-05	8.640E-05	1.900E-06	5.787E-04	5.840E-04	-7.300E-06	6.759E-04	6.810E-04	-5.100E-06
00000088	8.930E-05	8.690E-05	2.300E-06	5.915E-04	5.990E-04	-7.500E-06	6.755E-04	6.810E-04	-5.500E-06
00000089	9.060E-05	8.840E-05	2.200E-06	5.821E-04	5.890E-04	-6.900E-06	6.612E-04	6.650E-04	-3.800E-06
00000090	8.970E-05	8.750E-05	2.200E-06	5.740E-04	5.810E-04	-7.000E-06	6.561E-04	6.610E-04	-4.900E-06
00000091	8.960E-05	8.700E-05	1.800E-06	5.417E-04	5.470E-04	-5.300E-06	6.323E-04	6.360E-04	-3.700E-06
00000092	8.700E-05	8.430E-05	2.700E-06	5.296E-04	5.360E-04	-6.400E-06	6.143E-04	6.190E-04	-4.700E-06
00000093	9.220E-05	8.940E-05	2.100E-06	5.751E-04	5.810E-04	-7.300E-06	6.555E-04	6.600E-04	-4.500E-06
00000094	8.530E-05	8.450E-05	5.000E-07	5.308E-04	5.340E-04	-3.200E-06	6.325E-04	6.350E-04	-2.500E-06
00000095	8.450E-05	8.430E-05	2.900E-07	5.378E-04	5.410E-04	-3.200E-06	6.565E-04	6.600E-04	-3.400E-06
00000096	8.780E-05	8.660E-05	1.700E-06	5.473E-04	5.510E-04	-3.700E-06	6.572E-04	6.610E-04	-3.800E-06
00000097	8.930E-05	8.930E-05	1.100E-06	6.566E-04	6.600E-04	-4.400E-06	7.516E-04	7.560E-04	-4.400E-06
00000098	9.580E-05	9.190E-05	1.900E-06	6.020E-04	6.080E-04	-5.100E-06	6.920E-04	6.970E-04	-4.100E-06
00000099	9.510E-05	9.160E-05	2.500E-06	6.157E-04	6.220E-04	-5.300E-06	7.075E-04	7.110E-04	-3.400E-06
00000100	9.330E-05	9.130E-05	2.000E-06	6.500E-04	6.560E-04	-6.000E-06	7.350E-04	7.390E-04	-4.000E-06
00000101	9.860E-05	9.560E-05	3.000E-06	6.709E-04	6.770E-04	-6.100E-06	7.105E-04	7.140E-04	-3.400E-06
00000102	9.670E-05	9.380E-05	2.900E-06	6.375E-04	6.430E-04	-5.700E-06	7.365E-04	7.400E-04	-3.600E-06
00000103	9.590E-05	9.350E-05	3.000E-06	6.130E-04	6.220E-04	-4.100E-06	7.041E-04	7.090E-04	-4.700E-06
00000104	9.180E-05	8.960E-05	2.200E-06	5.932E-04	5.970E-04	-5.800E-06	7.621E-04	7.660E-04	-3.800E-06
00000105	9.250E-05	9.250E-05	2.000E-07	6.529E-04	6.560E-04	-3.100E-06	7.455E-04	7.490E-04	-2.500E-06
00000106	9.550E-05	9.440E-05	1.100E-06	6.704E-04	6.740E-04	-3.600E-06	7.194E-04	7.230E-04	-3.700E-06
00000107	9.620E-05	9.200E-05	4.200E-06	6.438E-04	6.510E-04	-7.200E-06	7.476E-04	7.520E-04	-4.600E-06
00000108	9.310E-05	9.060E-05	2.500E-06	6.106E-04	6.170E-04	-6.500E-06	7.157E-04	7.200E-04	-4.200E-06
00000109	9.630E-05	9.440E-05	1.900E-06	6.136E-04	6.210E-04	-5.600E-06	7.092E-04	7.130E-04	-3.800E-06
00000110	9.660E-05	9.190E-05	2.700E-06	6.224E-04	6.280E-04	-5.400E-06	7.067E-04	7.100E-04	-3.300E-06
00000111	9.070E-05	8.860E-05	2.100E-06	5.953E-04	6.010E-04	-5.700E-06	6.737E-04	6.770E-04	-3.300E-06
00000112	8.980E-05	8.780E-05	2.000E-06	5.896E-04	5.940E-04	-5.400E-06	6.719E-04	6.750E-04	-3.100E-06
00000113	9.940E-05	9.750E-05	1.900E-06	5.882E-04	5.940E-04	-5.800E-06	6.644E-04	6.690E-04	-3.200E-06
00000114	9.020E-05	8.850E-05	1.700E-06	5.854E-04	5.910E-04	-5.600E-06	6.594E-04	6.620E-04	-2.600E-06
00000115	9.360E-05	9.360E-05	3.000E-07	5.859E-04	5.870E-04	-1.200E-06	6.638E-04	6.670E-04	-2.200E-06
00000116	9.440E-05	9.440E-05	3.200E-06	5.280E-04	5.360E-04	-8.000E-06	6.479E-04	6.530E-04	-5.100E-06
00000117	8.220E-05	8.640E-05	2.800E-06	5.502E-04	5.570E-04	-5.800E-06	6.290E-04	6.340E-04	-4.100E-06
00000118	9.690E-05	9.260E-05	2.300E-06	5.392E-04	5.470E-04	-7.200E-06	6.213E-04	6.250E-04	-3.700E-06
00000119	8.640E-05	8.100E-05	2.500E-06	5.747E-04	5.870E-04	-7.300E-06	6.654E-04	6.700E-04	-4.400E-06
00000120	9.270E-05	8.860E-05	4.100E-06	5.721E-04	5.870E-04	-9.900E-06	6.685E-04	6.740E-04	-5.500E-06
00000121	9.020E-05	8.790E-05	2.300E-06	5.785E-04	5.850E-04	-6.500E-06	6.661E-04	6.710E-04	-4.700E-06
00000122	8.530E-05	8.460E-05	1.000E-07	5.438E-04	5.460E-04	-2.200E-06	6.230E-04	6.260E-04	-2.400E-06
00000123	8.950E-05	8.900E-05	1.300E-06	5.561E-04	5.610E-04	-5.900E-06	6.450E-04	6.490E-04	-3.300E-06
00000124	8.460E-05	8.170E-05	9.000E-07	5.521E-04	5.560E-04	-3.700E-06	6.384E-04	6.420E-04	-3.700E-06
00000125	8.740E-05	8.660E-05	2.800E-06	5.495E-04	5.530E-04	-7.500E-06	6.290E-04	6.330E-04	-4.300E-06
00000126	8.400E-05	8.200E-05	3.000E-06	5.470E-04	5.470E-04	-5.300E-06	6.137E-04	6.170E-04	-3.200E-06
00000127	8.920E-05	8.300E-05	2.200E-06	5.524E-04	5.600E-04	-5.600E-06	6.644E-04	6.680E-04	-4.600E-06
00000128	8.970E-05	8.920E-05	2.200E-06	5.873E-04	5.940E-04	-6.200E-06	6.753E-04	6.800E-04	-5.200E-06
00000129	9.540E-05	9.540E-05	1.600E-06	5.463E-04	5.530E-04	-5.700E-06	6.274E-04	6.310E-04	-3.100E-06
00000130	8.410E-05	8.450E-05	1.400E-06	5.963E-04	6.020E-04	-5.700E-06	6.790E-04	6.830E-04	-4.300E-06
00000131	8.410E-05	8.450E-05	1.400E-06	5.428E-04	5.430E-04	-5.200E-06	6.240E-04	6.270E-04	-3.500E-06

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TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

FILE NAME: SC2208AR		TITLE: DEVICE: ADDER		MOTOBOLA PART NO.: CS2208		ROFING PART NO.: 27-10330		17 SEP 75	
SERIAL	10 1967 V (M)	11 1975 V (M)	12 DELTA V (M)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
	(7-11)	(7-11)	(7-11)	(8)	(8)	(3)	(3-5)	(3-5)	(3-5)
00090006	4.0305-02	4.7005-02	-6.7005-03	4.0005-07	1.4105-06	-1.2105-06	2.0005-09	1.0005-09	1.0005-09
00090007	4.4705-02	4.9005-02	-4.3005-03	3.0005-07	1.2005-06	-1.2205-06	4.0005-09	4.2005-09	-3.8005-08
00090008	4.3105-02	4.2005-02	-8.4005-03	3.0005-07	1.4905-06	-1.1905-06	5.0005-09	1.2005-09	-7.0005-09
00090009	4.0305-02	5.3005-02	-6.2005-03	3.0005-07	1.5405-06	-1.2405-06	5.0005-09	4.5005-09	-4.1005-08
00090010	4.4905-02	5.0005-02	-5.1005-03	3.0005-07	1.5305-06	-1.2005-06	2.0005-09	4.0005-09	-3.0005-08
00090011	4.7405-02	5.0005-02	-6.6005-03	3.0005-07	1.5205-06	-1.2205-06	5.0005-09	4.2005-09	-3.7005-08
00090012	4.5505-02	4.9005-02	-3.5005-03	3.0005-07	1.5105-06	-1.2105-06	1.0005-09	5.1005-09	-4.8005-08
00090013	4.3405-02	4.9005-02	-5.6005-03	3.0005-07	1.5205-06	-1.2205-06	3.0005-09	2.1005-09	-1.8005-08
00090014	5.3205-02	5.4005-02	-6.0005-04	5.1005-06	6.1005-06	-1.2905-06	5.0005-09	0.0	5.0005-09
00090015	4.4705-02	4.9005-02	-4.3005-03	3.0005-07	1.5305-06	-1.2305-06	2.0005-09	4.2005-09	-4.0005-08
00090016	5.1105-02	5.4005-02	-2.9005-03	4.0005-07	1.7405-06	-1.1405-06	3.0005-09	2.1105-07	-2.0605-07
00090017	4.3105-02	5.1005-02	-7.0005-03	3.0005-07	1.5605-06	-1.2505-06	3.0005-09	4.5005-09	-4.2005-08
00090018	4.1305-02	5.2005-02	-1.0005-03	6.2005-06	3.1705-06	-3.0705-06	7.0005-09	1.0005-09	6.0005-09
00090019	3.9305-02	4.9005-02	-8.2005-03	5.0005-07	1.5105-06	-1.3105-06	6.0005-09	0.0	6.0005-09
00090020	5.3005-02	4.7005-02	-4.0005-03	0.0	1.4705-06	-1.4705-06	1.0005-09	4.2005-09	-4.1005-08
00090021	4.2405-02	5.0005-02	-7.6005-03	2.0005-07	1.5105-06	-1.3105-06	0.0	0.0	0.0
00090022	4.8105-02	5.0005-02	-3.0005-03	3.0005-07	1.5105-06	-1.3105-06	2.0005-09	0.0	2.0005-09
00090023	4.8105-02	5.3005-02	-5.0005-03	1.0005-06	1.8305-06	-8.3005-07	1.4005-09	0.0	1.4005-08
00090024	5.2005-02	5.3005-02	-1.0005-03	3.0005-07	1.5205-06	-1.2205-06	7.0005-09	0.0	7.0005-09
00090025	4.8305-02	5.4005-02	-5.7005-03	3.0005-07	1.5405-06	-1.2405-06	6.0005-09	0.0	6.0005-09
00090026	4.8405-02	5.3005-02	-4.4005-03	2.0005-07	1.5005-06	-1.3005-06	2.0005-09	6.0005-09	-5.0005-08
00090027	5.3805-02	5.4005-02	-2.0005-04	3.0005-07	1.4705-06	-1.1705-06	2.0005-09	3.0005-09	-3.0005-08
00090028	5.2905-02	5.9005-02	-4.1005-03	2.0005-07	1.4905-06	-1.2505-06	6.0005-09	5.1005-09	-4.5005-08
00090029	5.5905-02	5.8005-02	-7.5005-03	2.0005-07	1.4905-06	-1.2505-06	4.0005-09	2.5005-09	-2.1005-08
00090030	5.1505-02	5.9005-02	-7.5005-03	0.0	1.4605-06	-1.2605-06	5.0005-09	1.0005-09	-5.0005-08
00090031	4.1405-02	4.9005-02	-7.4005-03	4.0005-07	1.7205-06	-1.3205-06	1.0005-09	0.0	1.0005-09
00090032	4.8905-02	5.1005-02	-2.2005-03	3.0005-07	1.5205-06	-1.2205-06	4.1005-09	4.1005-09	-4.0005-08
00090033	4.8105-02	5.4005-02	-5.7005-03	7.5005-06	8.1005-06	-1.3105-06	3.0005-09	5.1005-09	-5.0005-08
00090034	4.6105-02	4.9005-02	-2.0005-03	3.0005-07	1.4905-06	-1.1905-06	3.0005-09	5.2005-09	-5.0005-08
00090035	4.0405-02	4.8005-02	-7.4005-03	2.0005-07	1.4805-06	-1.2805-06	1.0005-09	0.0	1.0005-09
00090036	5.3305-02	6.1005-02	-6.7005-03	2.0005-07	1.4705-06	-1.2705-06	1.5505-09	7.1005-09	-6.4005-08
00090037	4.6405-02	5.2005-02	-5.2005-03	2.4005-06	3.1005-06	-9.6005-07	2.0005-09	4.1005-09	-3.4005-08
00090038	5.0405-02	5.4005-02	-3.2005-03	3.0005-07	1.4805-06	-1.1805-06	2.0005-09	4.1005-09	-3.4005-08
00090039	5.3705-02	5.7005-02	-3.3005-03	3.0005-07	1.5105-06	-1.2105-06	6.0005-09	5.3005-09	-5.3005-08
00090040	5.2705-02	5.7005-02	-4.3005-03	3.0005-07	1.4405-06	-1.1405-06	5.0005-09	4.5005-09	-4.0005-08
00090041	4.7605-02	5.1005-02	-3.5005-03	3.0005-07	1.5005-06	-1.2005-06	3.0005-09	5.1005-09	-4.8005-08
00090042	5.1005-02	5.1005-02	-4.2005-03	3.0005-07	1.4705-06	-1.1705-06	3.0005-09	0.0	3.0005-09
00090043	4.7605-02	5.1005-02	-4.2005-03	3.0005-07	1.4705-06	-1.1705-06	3.0005-09	0.0	3.0005-09
00090044	5.0205-02	5.8005-02	-7.8005-03	2.0005-06	4.1505-06	-1.2505-06	2.0005-09	0.0	2.0005-09
00090045	5.1505-02	5.3005-02	-4.9005-03	3.0005-07	1.5005-06	-1.2005-06	0.0005-09	0.0	0.0005-09
00090046	4.8105-02	5.1005-02	-4.9005-03	3.0005-07	1.5305-06	-1.2305-06	3.0005-09	0.0	3.0005-09
00090047	4.7105-02	4.7105-02	-5.3005-03	3.0005-07	1.5305-06	-1.2305-06	3.0005-09	0.0	3.0005-09
00090048	5.0205-02	5.4005-02	-3.4005-03	2.0005-06	2.1605-06	-4.0005-06	5.0005-09	4.5005-09	-4.1005-08
00090049	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090050	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090051	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090052	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090053	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090054	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090055	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090056	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090057	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090058	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090059	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090060	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090061	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090062	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090063	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090064	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090065	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090066	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090067	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090068	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090069	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090070	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090071	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090072	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090073	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090074	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090075	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090076	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090077	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090078	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090079	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090080	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090081	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090082	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090083	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090084	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090085	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090086	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090087	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090088	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090089	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090090	4.7605-02	5.2005-02	-4.6005-03	3.0005-07	1.5105-06	-1.2105-06	3.0005-09	0.0	3.0005-09
00090091	4.76								

TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

D256-10082-2

17 SEP 75

MOTHEM PART NO.: C52208 ACING PART NO.: 27-10330

FILE NAME: SC220RAN TITLE: DEVICE: ADDR

SERIAL	10 1967 V (OR) (17-1)	11 1975 V (OR) (17-1)	12 DELTA V (OR) (17-1)	13 1967 V (OR) (17-1)	14 1975 V (OR) (17-1)	15 DELTA V (OR) (17-1)	16 1967 V (OR) (17-1)	17 1975 V (OR) (17-1)	18 DELTA V (OR) (17-1)
00000233	4.140E-02	4.703E-02	-5.600E-03	3.600E-07	1.510E-06	-1.210E-06	1.000E-09	1.000E-09	0.0
00000234	3.710E-02	4.200E-02	-4.900E-03	4.000E-07	1.600E-06	-1.200E-06	7.000E-09	9.000E-09	-2.000E-09
00000235	4.470E-02	5.100E-02	-4.800E-03	2.000E-07	1.400E-06	-1.280E-06	5.000E-09	0.0	5.000E-09
00000237	4.470E-02	4.600E-02	-1.200E-03	6.300E-06	6.420E-06	-1.200E-07	1.200E-08	5.000E-09	7.000E-09
00000238	4.380E-02	5.000E-02	-1.200E-03	3.000E-07	1.610E-06	-1.310E-06	3.000E-09	1.100E-08	-8.000E-09
00000241	4.940E-02	5.000E-02	-2.600E-03	7.300E-06	4.610E-06	-1.370E-06	0.0	1.400E-08	-1.400E-08
00000242	4.850E-02	5.000E-02	-7.400E-03	3.000E-07	1.510E-06	-1.230E-06	3.000E-09	1.100E-08	-4.000E-09
00000243	3.980E-02	4.400E-02	-4.200E-03	4.800E-06	6.010E-06	-1.210E-06	1.000E-09	1.000E-09	1.000E-09
00000244	4.380E-02	4.900E-02	-5.200E-03	3.800E-06	5.040E-06	-1.200E-06	5.000E-09	1.100E-08	-5.000E-09
00000245	4.440E-02	5.000E-02	-5.900E-03	3.000E-07	1.750E-06	-1.250E-06	5.000E-09	0.0	5.000E-09
00000246	4.930E-02	5.100E-02	-1.700E-03	3.000E-07	1.610E-06	-1.310E-06	1.000E-08	1.100E-08	-1.000E-09
00000302	4.530E-02	5.500E-02	-9.700E-03	6.500E-06	6.480E-06	-1.200E-06	1.000E-08	4.000E-08	-2.100E-08
00000303	4.550E-02	5.100E-02	-5.500E-03	2.000E-07	1.570E-06	-1.270E-06	1.000E-08	3.500E-08	-3.400E-08
00000304	4.940E-02	5.100E-02	-1.600E-03	6.000E-07	1.840E-06	-1.260E-06	1.000E-09	0.0	1.000E-09
00000306	4.130E-02	5.000E-02	-5.700E-03	2.000E-07	1.490E-06	-1.290E-06	4.000E-09	1.100E-08	-7.000E-08
00000307	4.010E-02	4.500E-02	-1.470E-02	5.800E-06	7.140E-06	-1.340E-06	1.000E-09	4.000E-08	-7.000E-08
00000308	4.060E-02	5.100E-02	-2.400E-03	4.000E-07	1.760E-06	-1.360E-06	2.000E-09	0.0	2.000E-09
00000309	4.450E-02	5.100E-02	-6.500E-03	3.000E-07	1.540E-06	-1.260E-06	3.000E-09	1.100E-08	-8.000E-09
00000310	4.130E-02	4.900E-02	-5.700E-03	1.000E-06	2.180E-06	-1.190E-06	2.000E-09	0.0	2.000E-09
00000311	4.950E-02	5.100E-02	-4.500E-03	5.600E-06	6.880E-06	-1.230E-06	1.000E-09	2.500E-08	-2.400E-08
00000312	4.510E-02	5.100E-02	-7.900E-03	0.0	1.470E-06	-1.470E-06	2.000E-09	2.900E-08	-2.700E-08
00000313	4.900E-02	5.000E-02	-5.000E-03	3.000E-07	1.510E-06	-1.210E-06	3.000E-09	2.100E-08	-1.800E-08
00000314	5.260E-02	5.500E-02	-2.400E-03	3.000E-07	1.551E-06	-1.250E-06	5.000E-09	2.100E-08	-1.600E-08
00000315	5.070E-02	4.600E-02	-3.300E-03	0.0	1.490E-06	-1.430E-06	1.000E-09	1.450E-07	-1.440E-07
00000316	4.920E-02	5.000E-02	-6.900E-03	3.000E-07	1.550E-06	-1.250E-06	1.300E-09	1.200E-09	1.000E-09
00000317	5.260E-02	5.100E-02	-4.300E-03	3.100E-06	4.700E-06	-1.400E-06	5.000E-09	4.000E-09	4.000E-09
00000319	4.780E-02	5.000E-02	-7.200E-03	2.700E-06	3.070E-06	-1.770E-06	2.000E-09	1.000E-09	1.000E-09
000003174	4.930E-02	5.500E-02	-6.700E-03	3.000E-07	1.520E-06	-1.230E-06	2.000E-09	1.200E-08	-1.000E-08
000003175	4.640E-02	5.000E-02	-8.400E-03	3.000E-07	1.560E-06	-1.260E-06	4.300E-09	4.000E-08	3.000E-09
000003176	4.970E-02	5.200E-02	-2.300E-03	4.000E-07	1.650E-06	-1.260E-06	2.000E-09	1.000E-09	1.000E-09
000003177	5.000E-02	5.400E-02	-4.000E-03	9.000E-07	1.750E-06	-1.350E-06	0.0	0.0	0.0
000003179	4.660E-02	5.000E-02	-5.400E-03	3.000E-07	1.590E-06	-1.230E-06	7.000E-09	2.100E-08	-1.400E-08
000003190	4.850E-02	5.000E-02	-6.500E-03	0.0	1.470E-06	-1.470E-06	2.000E-09	1.520E-07	-1.500E-07
000003190	5.600E-02	5.000E-02	-3.000E-03	0.0	1.470E-06	-1.470E-06	1.500E-09	4.200E-08	-2.700E-08
000003191	5.510E-02	5.000E-02	-2.900E-03	3.000E-07	1.470E-06	-1.470E-06	1.500E-09	4.200E-08	-2.700E-08
000003192	5.540E-02	5.500E-02	-6.200E-04	1.300E-06	2.590E-06	-1.370E-06	2.000E-09	1.000E-09	-9.000E-09
000003193	4.920E-02	5.700E-02	-7.800E-03	3.000E-07	1.530E-06	-1.230E-06	2.000E-09	1.100E-08	-7.000E-09
000003184	5.640E-02	5.000E-02	-1.500E-03	3.000E-07	1.470E-06	-1.190E-06	5.000E-09	7.000E-08	-2.000E-09
000003185	5.960E-02	5.000E-02	-6.200E-04	0.0	1.490E-06	-1.490E-06	6.000E-09	7.100E-08	-6.500E-08
000003186	5.560E-02	5.700E-02	-1.400E-03	3.000E-07	1.510E-06	-1.210E-06	1.000E-09	9.000E-09	-8.000E-09
000003187	5.440E-02	5.000E-02	-1.600E-03	2.000E-07	1.530E-06	-1.300E-06	1.000E-09	5.000E-09	-4.000E-09
000003188	5.140E-02	5.700E-02	-5.400E-03	3.000E-07	1.570E-06	-1.270E-06	1.200E-09	3.200E-08	-2.000E-08
000003189	5.170E-02	5.000E-02	-3.300E-04	2.700E-06	3.510E-06	-1.710E-06	2.000E-09	1.100E-08	-9.000E-09
000003190	5.720E-02	6.100E-02	-3.200E-03	0.0	1.450E-06	-1.450E-06	4.200E-09	9.100E-08	-2.500E-08
000003191	5.700E-02	5.700E-02	-9.700E-04	1.100E-06	2.370E-06	-1.270E-06	4.000E-09	7.0	4.000E-09
000003447	5.790E-02	5.900E-02	-1.100E-03	3.000E-07	1.540E-06	-1.240E-06	1.000E-09	5.000E-09	-4.000E-09
000003449	5.510E-02	5.500E-02	-1.900E-03	0.0	1.490E-06	-1.490E-06	1.000E-09	4.500E-08	-7.500E-08
000003450	5.120E-02	5.400E-02	-2.900E-03	2.000E-07	1.510E-06	-1.310E-06	1.000E-09	1.320E-08	-3.200E-08
000003451	4.170E-02	5.400E-02	-7.100E-03	3.000E-07	1.430E-06	-1.130E-06	4.000E-09	1.100E-08	-3.000E-08
000003451	5.730E-02	5.900E-02	-1.700E-03	0.0	1.490E-06	-1.490E-06	1.000E-09	4.100E-08	-3.100E-08

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TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

FILE NAME: SC220RAB		TITLE: DEVICE: ADDER		MOTOROLA PART NO.: C52200		RUEING PART NO.: 27-10330		17 SEP 75	
SERIAL	10 V (OL) (7-1)	11 V (OL) (7-1)	12 DELTA V (OL) (7-1)	13 1967 V (L) (8)	14 1975 V (L) (8)	15 DELTA V (L) (8)	16 1967 V (L) (1-2), (3-5)	17 1975 V (L) (1-2), (3-5)	18 DELTA V (L) (1-2), (3-5)
00000052	5.190F-02	5.800E-02	-1.000F-04	2.000E-07	1.460E-06	-1.240E-06	1.300F-08	4.500F-08	-3.200F-08
00000053	5.180F-02	5.800E-02	-2.200E-03	0.0	1.460E-06	-1.460E-06	5.000F-09	4.100E-08	-3.600E-08
00000054	4.750E-02	5.600E-02	-8.500E-03	3.000E-07	1.540E-06	-1.740E-06	1.500E-08	3.200E-08	-1.700E-08
00000055	5.890E-02	5.300E-02	9.000E-04	0.0	1.460E-06	-1.460E-06	1.000E-09	4.100E-08	-4.000E-08
00000056	5.400E-02	6.000E-02	3.000E-07	3.000E-07	1.440E-06	-1.140E-06	9.000E-09	3.200E-08	-2.700E-08
00000057	5.560E-02	5.000E-02	-3.400E-03	3.000E-07	1.510E-06	-1.210E-06	4.000E-09	1.200E-08	-8.000E-09
00000058	5.320E-02	5.700E-02	-1.900E-03	3.000E-07	1.500E-06	-1.190E-06	2.000E-09	1.000E-09	-1.000E-09
00000059	5.610E-02	5.400E-02	2.100E-03	0.0	1.470E-06	-1.470E-06	9.000E-09	5.100E-08	-4.200E-08
00000060	5.460E-02	5.700E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	5.000E-09	-3.000E-09
00000061	5.520E-02	5.900E-02	-2.800E-03	3.000E-07	1.470E-06	-1.170E-06	2.000E-09	9.000E-09	-7.000E-09
00000062	5.210E-02	5.600E-02	-3.200E-03	2.000E-07	1.470E-06	-1.170E-06	1.000E-09	9.000E-09	-7.000E-09
00000063	5.190E-02	5.700E-02	-3.200E-03	1.200E-07	1.470E-06	-1.170E-06	1.000E-09	9.000E-09	-7.000E-09
00000064	5.170E-02	5.200E-02	-3.000E-04	1.200E-07	2.510E-06	-1.310E-06	2.000E-09	1.000E-09	-1.000E-09
00000065	5.400E-02	5.800E-02	-5.000E-03	2.000E-07	1.510E-06	-1.210E-06	3.000E-09	1.000E-09	-1.000E-09
00000066	5.370E-02	5.400E-02	-3.300E-03	3.000E-07	1.510E-06	-1.210E-06	3.000E-09	1.000E-09	-1.000E-09
00000067	5.130E-02	5.700E-02	-6.700E-03	0.0	1.450E-06	-1.450E-06	1.200E-08	4.200E-08	-3.600E-08
00000068	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000069	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000070	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000071	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000072	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000073	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000074	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000075	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000076	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000077	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000078	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000079	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000080	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000081	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000082	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000083	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000084	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000085	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000086	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000087	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000088	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000089	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000090	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000091	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000092	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000093	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000094	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000095	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000096	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000097	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000098	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000099	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000100	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000101	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000102	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000103	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000104	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000105	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000106	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000107	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000108	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000109	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09
00000110	5.400E-02	5.800E-02	-2.400E-03	3.000E-07	1.510E-06	-1.210E-06	2.000E-09	1.000E-09	-1.000E-09

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TABLE 5-2. TEST RESULTS FOR ADDER (Continued)

FILE NAME: SC2208A8		TITLE: DEVICE: ADDER		MOTOROLA PART NO.: C52208		BOEING PART NO.: 27-10330		17 SEP 75	
SERIAL	10 1967 V (UL) (17-1)	11 1975 V (UL) (17-1)	12 DELTA V (UL) (17-1)	13 1967 V (UL) (8)	14 1975 V (UL) (8)	15 DELTA V (UL) (8)	16 1967 V (UL) (1-2), (3-5)	17 1975 V (UL) (1-2), (3-5)	18 DELTA V (UL) (1-2), (3-5)
00080644	5.320E-02	5.703E-02	-3.800E-03	0.0	1.453E-06	-1.450E-06	8.000E-09	5.000E-09	3.000E-09
00080645	5.500E-02	5.600E-02	-1.000E-03	2.000E-07	1.470E-06	-1.270E-06	1.000E-09	1.000E-09	0.0
00080646	6.970E-02	7.402E-02	-5.300E-03	0.0	1.433E-06	-1.430E-06	4.200E-08	4.200E-08	0.000E-09
00080647	5.600E-02	5.700E-02	-1.000E-03	7.700E-06	9.070E-06	-1.370E-06	9.000E-09	1.100E-08	-6.000E-09
00080648	5.770E-02	5.700E-02	7.000E-04	2.700E-06	9.810E-06	-1.130E-06	5.000E-09	1.000E-09	4.000E-09
00080649	5.470E-02	5.600E-02	-5.300E-03	8.200E-06	9.540E-06	-1.140E-06	3.000E-09	2.100E-08	9.000E-09
00080650	6.050E-02	6.300E-02	-2.500E-03	0.0	1.440E-06	-1.440E-06	5.130E-08	4.900E-08	2.000E-09
00080651	5.640E-02	5.500E-02	1.400E-03	0.0	1.470E-06	-1.470E-06	3.000E-09	1.000E-09	2.000E-09
00080652	5.900E-02	5.600E-02	-6.100E-03	3.000E-07	1.530E-06	-1.200E-06	6.000E-09	5.000E-09	6.000E-09
00080653	6.810E-02	6.900E-02	-9.000E-04	3.000E-06	1.450E-06	-1.450E-06	5.200E-08	4.600E-08	4.000E-09
00080654	6.030E-02	6.300E-02	-2.700E-03	0.0	1.450E-06	-1.450E-06	3.600E-08	3.200E-08	4.000E-09
00080655	5.160E-02	5.500E-02	-1.600E-03	0.0	1.450E-06	-1.450E-06	2.100E-08	4.000E-08	-1.700E-08
00080656	6.580E-02	7.100E-02	-1.600E-03	0.0	1.450E-06	-1.450E-06	4.000E-09	1.000E-09	3.000E-09
00080657	4.950E-02	5.100E-02	-3.500E-03	2.300E-06	3.600E-06	-1.300E-06	4.000E-09	1.000E-09	3.000E-09
00080658	6.030E-02	6.400E-02	-3.700E-03	0.0	1.470E-06	-1.470E-06	5.300E-08	4.100E-08	1.700E-08
00080659	6.140E-02	6.500E-02	-3.600E-03	0.0	1.470E-06	-1.470E-06	1.200E-08	1.100E-08	7.000E-09
00080660	6.420E-02	6.900E-02	-4.800E-03	0.0	1.470E-06	-1.470E-06	7.000E-09	1.000E-09	6.000E-09
00080661	5.260E-02	5.700E-02	-4.600E-03	0.0	1.450E-06	-1.450E-06	3.000E-09	3.200E-09	7.000E-09
00080662	6.320E-02	6.200E-02	1.200E-03	0.0	1.450E-06	-1.450E-06	5.000E-09	5.000E-09	1.000E-09
00080663	6.400E-02	6.300E-02	-1.500E-03	0.0	1.450E-06	-1.450E-06	5.000E-09	1.000E-09	4.000E-09
00080664	5.290E-02	5.500E-02	-2.100E-03	2.000E-07	1.500E-06	-1.290E-06	5.000E-09	1.000E-09	4.000E-09
00080665	5.530E-02	5.600E-02	-7.000E-04	0.0	1.450E-06	-1.450E-06	2.700E-08	3.100E-08	-2.000E-09
00080666	6.650E-02	6.700E-02	-5.000E-04	4.500E-06	5.400E-06	-1.460E-06	1.300E-08	1.100E-08	2.000E-09
00080667	6.000E-02	6.100E-02	-1.000E-03	0.0	1.450E-06	-1.450E-06	1.400E-08	1.400E-08	3.000E-09
00080668	5.330E-02	5.600E-02	-4.200E-04	0.0	1.470E-06	-1.470E-06	3.700E-08	4.000E-08	-3.000E-09
00080669	6.010E-02	6.700E-02	-6.900E-03	0.0	1.450E-06	-1.450E-06	9.000E-09	9.000E-09	0.0
00080670	6.160E-02	6.600E-02	-4.500E-03	0.0	1.470E-06	-1.470E-06	6.000E-09	5.300E-09	1.000E-09
00080671	5.110E-02	5.800E-02	-7.900E-03	0.0	1.450E-06	-1.450E-06	2.000E-09	1.300E-09	1.000E-09
00080672	6.240E-02	6.900E-02	-6.600E-03	0.0	1.470E-06	-1.470E-06	4.000E-09	4.000E-09	4.000E-09
00080673	5.770E-02	5.700E-02	1.000E-04	0.0	1.450E-06	-1.450E-06	5.000E-09	1.000E-09	5.000E-09
00080674	6.330E-02	6.200E-02	-1.100E-03	0.0	1.450E-06	-1.450E-06	1.000E-09	1.000E-09	-1.000E-09
00080675	5.380E-02	5.600E-02	-2.200E-03	0.0	1.450E-06	-1.450E-06	4.000E-09	1.000E-09	3.000E-09
00080676	6.160E-02	6.300E-02	-1.400E-03	0.0	1.450E-06	-1.450E-06	1.000E-09	1.000E-09	-1.000E-09
00080677	7.140E-02	7.100E-02	-4.200E-03	0.0	1.450E-06	-1.450E-06	1.000E-09	1.000E-09	-1.000E-09
00080678	6.400E-02	6.300E-02	-5.700E-03	0.0	1.470E-06	-1.470E-06	4.200E-09	4.200E-09	2.000E-09
00080679	6.150E-02	6.200E-02	-5.000E-04	0.0	1.470E-06	-1.470E-06	5.000E-09	1.000E-09	3.000E-09
00080680	5.240E-02	5.500E-02	-2.600E-03	0.0	1.450E-06	-1.450E-06	1.000E-09	1.000E-09	0.000E-09
00080681	6.520E-02	6.300E-02	-2.200E-03	0.0	1.450E-06	-1.450E-06	1.000E-09	1.000E-09	1.000E-09
00080682	6.200E-02	6.400E-02	-3.200E-03	0.0	1.470E-06	-1.470E-06	2.000E-09	2.000E-09	-1.000E-09
00080683	6.200E-02	6.400E-02	-3.200E-03	0.0	1.470E-06	-1.470E-06	2.000E-09	2.000E-09	-1.000E-09
00080684	5.490E-02	5.700E-02	-2.200E-03	0.0	1.470E-06	-1.470E-06	2.000E-09	2.000E-09	-3.000E-09

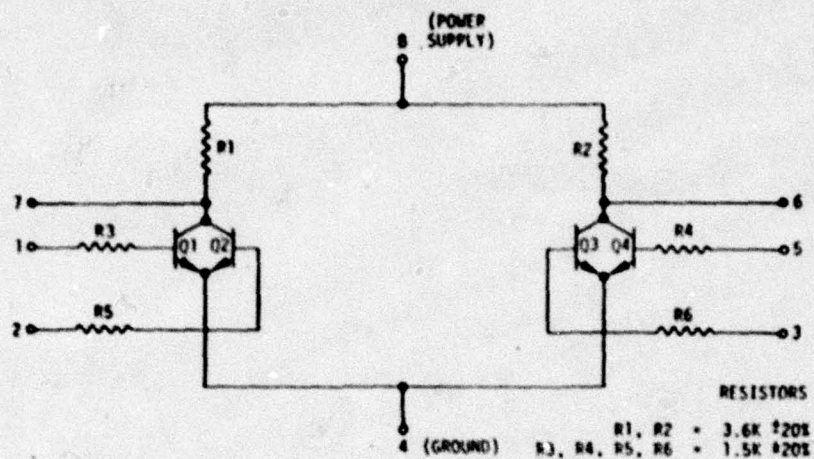
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5.3 DOUBLE GATE TEST RESULTS

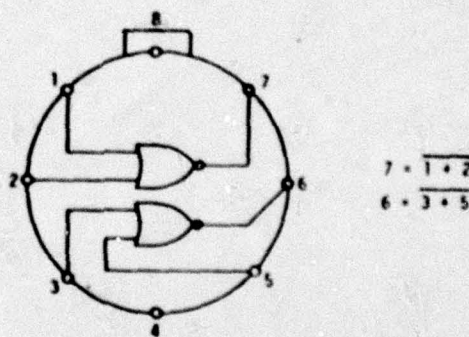
Figure 5-3 and Table 5-III present the circuit diagrams and the test results, respectively, for the Double Gate devices. The table lists both the original 1967 test and the 1975 test values, as well as the difference (delta) between them. The left-hand column titled "SERIAL" contains the part serial number. All current values are listed in ampere units, while all voltage values are in volt units. The standard computer printout convention has been used to denote exponents, i.e., $1.234\text{E}-02 = 1.234 \times 10^{-2}$ or 0.01234.

The actual test input conditions used for each of the seven parameter measurements made on the Double Gate devices can be found in the Appendix to this volume, Figures A-3 (a) through A-3 (g).

0256-10082-2



WIRING DIAGRAM



LOGIC DIAGRAM

VOLTAGE SPECIFICATIONS	
INPUT VOLTAGE	SPECIFICATION AT 25°C
POWER SUPPLY (NOMINAL)	3.00V
POWER SUPPLY (MAXIMUM)	3.67V
MAXIMUM "OFF" VOLTAGE	0.47V
MINIMUM "ON" VOLTAGE	0.75V
SATURATION VOLTAGE	0.81V
MINIMUM DRIVE VOLTAGE	1.80V
LOW LEVEL VOLTAGE FOR LEAKAGE CHECK	0.40V

FIGURE 5-3 WIRING AND LOGIC DIAGRAMS FOR DOUBLE GATE

TABLE 5-3. TEST RESULTS FOR DOUBLE GATE

17 SEP 75

SC2210A

SC2210

DOUBLE GATE

SC2210A

SC2210A

FILE NAME	1 1967 (11)	2 1975 (11)	3 DELTA (11)	4 1967 (17)	5 1975 (7)	6 DELTA (7)	7 1967 (6-1)	8 1975 (6-1)	9 DELTA (6-1)
00100006	9.070E-05	9.900E-05	1.700E-06	6.179E-04	6.210E-04	-3.100E-06	9.830E-02	0.1010	-2.700E-03
00100007	9.140E-05	9.100E-05	2.400E-06	6.336E-04	6.363E-04	-2.400E-06	9.240E-02	9.300E-02	-7.000E-04
00100008	9.150E-05	9.100E-05	2.500E-06	6.463E-04	6.493E-04	-2.700E-06	0.1024	0.1040	-3.400E-03
00100009	8.890E-05	9.500E-05	3.900E-06	6.145E-04	6.190E-04	-4.500E-06	9.490E-02	9.800E-02	-3.100E-03
00100010	8.730E-05	8.500E-05	2.300E-06	6.074E-04	6.063E-04	-3.600E-06	9.720E-02	0.1010	-3.200E-03
00100011	9.600E-05	9.100E-05	3.600E-06	6.400E-04	6.443E-04	-4.400E-06	9.310E-02	9.500E-02	-1.900E-03
00100012	9.150E-05	9.200E-05	2.500E-06	6.159E-04	6.190E-04	-3.100E-06	0.1116	0.1220	-5.600E-03
00100013	9.400E-05	9.100E-05	3.000E-06	6.336E-04	6.470E-04	-3.400E-06	0.1055	0.1110	-5.400E-03
00100014	9.320E-05	9.200E-05	4.200E-06	6.057E-04	6.100E-04	-4.300E-06	9.010E-02	9.300E-02	-2.900E-03
00100015	9.240E-05	9.900E-05	3.600E-06	6.290E-04	6.333E-04	-4.400E-06	0.1037	0.1070	-4.100E-03
00100016	9.130E-05	9.800E-05	3.300E-06	6.241E-04	6.270E-04	-2.900E-06	8.980E-02	9.100E-02	-1.200E-03
00100017	9.330E-05	9.000E-05	3.300E-06	6.510E-04	6.550E-04	-4.500E-06	0.1103	0.1150	-5.700E-03
00100018	8.920E-05	9.600E-05	3.200E-06	6.204E-04	6.335E-04	-3.400E-06	0.1101	0.1150	-4.700E-03
00100019	8.790E-05	8.600E-05	3.900E-06	6.079E-04	6.070E-04	-4.100E-06	8.230E-02	9.600E-02	-3.700E-03
00100020	9.320E-05	9.200E-05	3.200E-06	6.444E-04	6.490E-04	-4.400E-06	0.1032	0.1070	-4.800E-03
00100021	9.580E-05	9.200E-05	3.900E-06	6.609E-04	6.660E-04	-5.100E-06	0.1055	0.1100	-4.500E-03
00100022	9.050E-05	8.600E-05	4.500E-06	6.104E-04	6.150E-04	-4.400E-06	0.1070	0.1070	-6.500E-03
00100023	9.410E-05	9.000E-05	4.100E-06	6.364E-04	6.410E-04	-4.600E-06	0.1025	0.1040	-6.500E-03
00100024	9.350E-05	9.000E-05	3.500E-06	6.387E-04	6.420E-04	-4.300E-06	9.460E-02	9.700E-02	-2.400E-03
00100025	9.170E-05	8.700E-05	4.700E-06	6.434E-04	6.470E-04	-3.600E-06	0.1405	0.1590	-1.850E-02
00100026	9.130E-05	9.100E-05	4.300E-06	6.364E-04	6.410E-04	-3.600E-06	9.310E-02	9.700E-02	-3.500E-03
00100027	9.800E-05	8.900E-05	2.800E-06	6.046E-04	6.100E-04	-3.600E-06	9.650E-02	9.800E-02	-1.500E-03
00100028	9.180E-05	8.900E-05	3.700E-06	6.085E-04	6.070E-04	-3.500E-06	9.430E-02	9.600E-02	-4.700E-03
00100029	9.770E-05	9.400E-05	1.500E-06	6.424E-04	6.460E-04	-3.400E-06	0.1034	0.1070	-3.600E-03
00100030	9.840E-05	9.300E-05	5.900E-06	6.089E-04	6.040E-04	-5.100E-06	9.370E-02	9.100E-02	-6.100E-03
00100031	9.400E-05	9.200E-05	3.400E-06	6.344E-04	6.390E-04	-4.600E-06	9.610E-02	9.100E-02	-7.900E-03
00100032	9.060E-05	8.400E-05	6.600E-06	6.824E-04	5.893E-04	-6.600E-06	8.640E-02	9.100E-02	-6.600E-03
00100033	1.070E-04	1.030E-04	4.000E-06	7.194E-04	7.240E-04	-5.600E-06	0.1090	0.1150	-6.600E-03
00100034	9.320E-05	8.800E-05	5.200E-06	5.189E-04	6.240E-04	-5.100E-06	8.730E-02	9.100E-02	-3.700E-03
00100035	8.550E-05	8.200E-05	3.500E-06	6.136E-04	6.180E-04	-4.400E-06	0.1045	0.1070	-6.500E-03
00100036	9.140E-05	9.000E-05	3.400E-06	6.344E-04	6.390E-04	-4.600E-06	0.1013	0.1060	-6.700E-03
00100037	1.040E-04	1.040E-04	8.000E-07	7.103E-04	7.140E-04	-3.700E-06	9.670E-02	9.900E-02	-2.300E-03
00100038	1.070E-04	9.900E-05	3.000E-06	7.214E-04	7.240E-04	-5.600E-06	0.1112	0.1160	-6.800E-03
00100039	1.060E-04	1.030E-04	3.600E-06	7.194E-04	7.230E-04	-6.600E-06	9.250E-02	9.500E-02	-2.500E-03
00100040	1.030E-04	1.010E-04	2.900E-06	7.014E-04	7.060E-04	-6.400E-06	0.1073	0.1120	-7.000E-03
00100041	9.430E-05	9.400E-05	4.300E-06	6.950E-04	6.990E-04	-5.300E-06	0.1247	0.1320	-7.300E-03
00100042	1.040E-04	1.040E-04	2.700E-06	7.267E-04	7.310E-04	-4.300E-06	0.1131	0.1190	-5.900E-03
00100043	1.040E-04	1.020E-04	2.400E-06	6.945E-04	6.990E-04	-5.600E-06	0.1155	0.1200	-6.500E-03
00100044	1.054E-04	1.020E-04	3.400E-06	7.001E-04	7.050E-04	-5.900E-06	9.860E-02	0.1000	-3.600E-03
00100045	1.060E-04	1.020E-04	3.200E-06	7.104E-04	7.220E-04	-5.200E-06	9.450E-02	9.700E-02	-2.500E-03
00100046	1.055E-04	1.020E-04	3.500E-06	7.335E-04	7.380E-04	-4.500E-06	0.1093	0.1140	-5.700E-03
00100047	1.050E-04	1.030E-04	2.700E-06	7.246E-04	7.300E-04	-5.600E-06	9.010E-02	0.1070	-5.900E-03
00100048	1.040E-04	1.020E-04	2.900E-06	7.162E-04	7.210E-04	-1.280E-05	0.1089	0.1140	-5.100E-03
00100049	1.030E-04	1.010E-04	2.900E-06	7.245E-04	7.290E-04	-1.350E-05	0.1032	0.1080	-2.900E-03
00100050	1.030E-04	1.010E-04	9.000E-07	7.245E-04	7.290E-04	-1.350E-05	0.1027	0.1080	-2.300E-03
00100051	1.040E-04	1.040E-04	1.700E-06	7.245E-04	7.290E-04	-1.420E-05	0.1004	0.1060	-5.200E-03
00100052	1.040E-04	1.030E-04	3.000E-06	7.097E-04	7.120E-04	-2.900E-06	0.1045	0.1070	-5.500E-03
00100053	1.061E-04	1.060E-04	1.000E-06	7.172E-04	7.190E-04	-1.400E-05	0.1014	0.1030	-1.600E-03
00100054	1.060E-04	1.060E-04	0.0	7.140E-04	7.170E-04	-1.000E-05	0.1017	0.1060	-2.900E-03
00100055	1.065E-04	1.055E-04	1.500E-06	7.170E-04	7.170E-04	-1.400E-05	9.450E-02	9.700E-02	-2.000E-03

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

SC2210A PART NO.: 27-10332

SC2210A PART NO.: SC2210

TITLE: DOUBLE GATE

FILE NAME: SC2210A

SERIAL	1 1967 (IN)	2 1975 (IN)	3 DELTA (IN)	4 1967 (OUT)	5 1975 (OUT)	6 DELTA (IN)	7 1967 (OUT)	8 1975 (OUT)	9 DELTA (OUT)
00100227	1.025F-04	1.04CE-04	-1.50CE-04	7.104E-04	7.120E-04	-1.50CE-04	0.1262	0.1280	-1.800E-03
00100229	1.054E-04	1.060E-04	-2.000E-07	7.253E-04	7.270E-04	-1.700E-04	0.1128	0.1150	-2.200E-03
00100230	1.045E-04	1.040E-04	5.000E-07	7.185E-04	7.210E-04	-2.500E-04	0.1037	0.1070	-3.200E-03
00100231	1.042E-04	1.04CE-04	-2.00CE-07	7.224E-04	7.250E-04	-3.600E-04	0.1019	0.1040	-2.100E-03
00100232	1.060E-04	1.050E-04	0.0	6.991E-04	7.070E-04	-2.500E-04	9.700E-02	9.900E-02	-2.000E-03
00100233	1.063E-04	1.050E-04	1.300E-06	7.154E-04	7.270E-04	-4.100E-04	9.880E-02	0.1010	-2.200E-03
00100234	1.075E-04	1.060E-04	1.500E-04	7.244E-04	7.280E-04	-3.000E-04	0.1147	0.1180	-3.300E-03
00100236	1.064E-04	1.040E-04	4.200E-07	7.365E-04	7.390E-04	-3.600E-04	9.740E-02	0.1000	-2.600E-03
00100237	1.026E-04	1.030E-04	-4.000E-07	6.924E-04	6.950E-04	-2.500E-04	0.1154	0.1190	-3.700E-03
00100239	1.019E-04	1.020E-04	-1.000E-07	7.024E-04	7.050E-04	-2.600E-04	0.1214	0.1250	-3.600E-03
00100239	1.045E-04	1.040E-04	1.500E-06	7.187E-04	7.210E-04	-4.300E-04	0.1193	0.1230	-3.200E-03
00100240	1.030E-04	1.010E-04	2.000E-06	6.992E-04	7.010E-04	-3.900E-04	0.1024	0.1060	-3.200E-03
00100241	9.930E-05	9.600E-05	3.300E-06	7.263E-04	7.310E-04	-4.700E-04	0.1045	0.1100	-3.600E-03
00100242	1.054E-04	1.040E-04	1.400E-06	7.172E-04	7.210E-04	-3.900E-04	0.1074	0.1120	-4.100E-03
00100243	1.051E-04	1.040E-04	1.100E-06	7.196E-04	7.230E-04	-3.400E-04	0.1074	0.1110	-3.600E-03
00100244	1.041E-04	1.030E-04	1.100E-06	7.255E-04	7.290E-04	-3.400E-04	0.1387	0.1460	-7.300E-03
00100247	9.900E-05	9.500E-05	4.000E-06	6.999E-04	6.940E-04	-4.100E-04	0.1185	0.1230	-4.500E-03
00100248	1.037E-04	1.030E-04	2.700E-06	6.404E-04	6.400E-04	-3.500E-04	0.1463	0.1550	-8.700E-03
00100249	9.750E-05	9.400E-05	3.500E-06	6.921E-04	6.950E-04	-3.900E-04	0.1351	0.1430	-7.700E-03
00100300	9.800E-05	9.500E-05	3.300E-06	7.283E-04	7.320E-04	-3.700E-04	0.1593	0.1800	-2.120E-02
00100301	9.580E-05	9.100E-05	2.800E-06	6.826E-04	6.800E-04	-3.600E-04	0.1269	0.1320	-5.100E-03
00100302	1.011E-04	1.000E-04	3.100E-06	7.671E-04	7.650E-04	-3.600E-04	0.1467	0.1580	-1.130E-02
00100303	1.001E-04	1.000E-04	1.000E-06	6.945E-04	6.950E-04	-3.500E-04	0.1134	0.1190	-4.600E-03
00100304	9.890E-05	9.500E-05	3.900E-06	6.493E-04	6.530E-04	-3.700E-04	0.1356	0.1490	-1.340E-02
00100305	9.850E-05	9.500E-05	3.500E-06	7.080E-04	7.130E-04	-4.100E-04	0.1281	0.1350	-6.700E-03
00100310	9.820E-05	9.500E-05	4.200E-06	7.044E-04	7.090E-04	-4.200E-04	0.1302	0.1400	-9.800E-03
00100312	1.014E-04	1.000E-04	4.300E-06	7.110E-04	7.160E-04	-4.100E-04	0.1207	0.1260	-5.800E-03
00100313	9.830E-05	9.700E-05	4.300E-06	6.799E-04	6.840E-04	-4.100E-04	0.1276	0.1350	-7.400E-03
00100316	9.650E-05	9.400E-05	2.500E-06	6.453E-04	6.490E-04	-2.700E-04	0.1027	0.1060	-3.300E-03
00100317	9.700E-05	9.700E-05	4.300E-06	7.100E-04	7.150E-04	-5.000E-04	0.1338	0.1410	-7.200E-03
00100317	9.610E-05	9.400E-05	4.300E-06	6.907E-04	6.950E-04	-4.300E-04	0.1295	0.1380	-8.500E-03
00100317	9.510E-05	9.100E-05	4.300E-06	6.561E-04	6.620E-04	-3.900E-04	0.1309	0.1430	-1.210E-02
00100317	9.410E-05	9.100E-05	3.100E-06	6.868E-04	6.910E-04	-4.200E-04	0.1289	0.1490	-1.020E-02
00100317	9.690E-05	9.000E-05	4.300E-06	6.528E-04	6.570E-04	-4.700E-04	0.1121	0.1160	-5.600E-03
00100317	9.540E-05	9.200E-05	3.900E-06	7.034E-04	7.070E-04	-4.600E-04	0.1395	0.1490	-9.500E-03
00100317	1.010E-04	1.000E-04	3.000E-06	7.621E-04	7.660E-04	-4.900E-04	0.1534	0.1710	-1.720E-02
00100317	9.750E-05	9.400E-05	1.500E-06	7.064E-04	7.110E-04	-4.800E-04	0.1319	0.1430	-9.100E-03
00100317	9.400E-05	9.400E-05	4.000E-06	7.044E-04	7.090E-04	-4.200E-04	0.1259	0.1320	-6.700E-03
00100318	9.700E-05	9.000E-05	1.700E-06	6.661E-04	6.710E-04	-2.900E-04	0.1044	0.1100	-3.200E-03
00100318	1.064E-04	1.030E-04	3.400E-06	6.789E-04	6.850E-04	-6.100E-04	0.1642	0.1110	-5.000E-03
00100318	9.790E-05	9.200E-05	4.300E-06	6.910E-04	6.960E-04	-6.100E-04	0.1251	0.1370	-1.170E-02
00100318	9.420E-05	9.000E-05	4.200E-06	6.524E-04	6.570E-04	-4.800E-04	0.1147	0.1480	-1.110E-02
00100318	9.480E-05	9.500E-05	3.400E-06	6.834E-04	6.870E-04	-3.600E-04	0.1140	0.1190	-3.600E-03

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME:	SC221019	TITLE:	DEVICE: DOUBLE GATE	NOTES: PART NO.: SC2210			ENGINE PART NO.: 27-10332			17 SEP 75
SERIAL	1 1967 (11)	2 1975 (11)	3 DELTA (11)	4 1967 (7)	5 1975 (7)	6 DELTA (7)	7 1967 (6-1)	8 1975 (6-1)	9 DELTA (6-1)	
00100306	9.960E-05	9.600E-05	3.600E-06	7.291E-04	7.310E-04	-3.900E-06	0.1364	0.1420	-7.200E-03	
00100441	9.880E-05	9.400E-05	4.800E-06	7.203E-04	7.250E-04	-4.700E-06	0.1512	0.1700	-1.800E-02	
00100442	9.960E-05	9.500E-05	4.600E-06	7.268E-04	7.310E-04	-4.200E-06	0.1461	0.1620	-1.500E-02	
00100443	9.900E-05	9.400E-05	4.000E-06	7.135E-04	7.180E-04	-6.500E-06	0.1332	0.1390	-7.800E-03	
00100444	9.320E-05	9.400E-05	4.200E-06	6.699E-04	6.730E-04	-3.100E-06	0.1495	0.1670	-1.750E-02	
00100445	9.870E-05	9.400E-05	2.700E-06	6.900E-04	6.950E-04	-3.000E-06	0.1224	0.1270	-4.600E-03	
00100446	9.800E-05	9.400E-05	4.000E-06	6.816E-04	6.860E-04	-4.400E-06	0.1363	0.1460	-1.000E-02	
00100447	9.750E-05	9.600E-05	3.500E-06	6.893E-04	6.930E-04	-3.700E-06	0.1522	0.1730	-2.000E-02	
00100448	1.012E-04	9.600E-05	5.200E-06	7.065E-04	7.110E-04	-4.500E-06	0.1247	0.1330	-8.300E-03	
00100449	1.022E-04	9.600E-05	3.200E-06	7.565E-04	7.590E-04	-4.500E-06	0.1477	0.1600	-1.200E-02	
00100450	1.034E-04	1.000E-04	3.400E-06	7.279E-04	7.320E-04	-4.200E-06	0.1219	0.1270	-5.100E-03	
00100451	9.460E-05	9.100E-05	3.600E-06	6.551E-04	6.590E-04	-3.900E-06	0.1290	0.1290	-6.000E-03	
00100452	9.710E-05	9.300E-05	4.100E-06	6.812E-04	6.850E-04	-4.800E-06	0.1150	0.1290	-7.000E-03	
00100453	9.900E-05	9.400E-05	3.000E-06	6.676E-04	6.710E-04	-3.400E-06	0.1090	0.1060	-3.000E-03	
00100454	9.290E-05	9.300E-05	2.900E-06	6.529E-04	6.550E-04	-3.100E-06	0.1325	0.1400	-7.500E-03	
00100455	9.630E-05	9.300E-05	3.300E-06	6.715E-04	6.750E-04	-3.500E-06	0.1171	0.1220	-4.900E-03	
00100456	9.590E-05	9.200E-05	3.900E-06	6.411E-04	6.450E-04	-2.900E-06	0.1117	0.1170	-5.300E-03	
00100457	1.005E-04	9.400E-05	2.500E-06	7.441E-04	7.480E-04	-3.200E-06	0.1477	0.1560	-8.300E-03	
00100458	9.940E-05	9.600E-05	3.500E-06	7.124E-04	7.160E-04	-3.600E-06	0.1394	0.1490	-9.200E-03	
00100459	9.910E-05	9.600E-05	2.100E-06	6.894E-04	6.920E-04	-2.600E-06	0.1131	0.1160	-2.900E-03	
00100510	9.730E-05	9.400E-05	3.100E-06	6.932E-04	6.970E-04	-3.800E-06	0.1191	0.1240	-4.500E-03	
00100511	9.920E-05	9.600E-05	3.200E-06	7.235E-04	7.270E-04	-3.500E-06	0.1129	0.1190	-6.000E-03	
00100512	9.470E-05	9.400E-05	2.700E-06	6.573E-04	6.610E-04	-3.200E-06	0.1081	0.1120	-3.500E-03	
00100513	9.350E-05	9.200E-05	3.500E-06	6.494E-04	6.530E-04	-4.200E-06	0.1223	0.1280	-6.000E-03	
00100514	9.490E-05	9.500E-05	3.800E-06	7.005E-04	7.050E-04	-4.500E-06	0.1315	0.1390	-7.500E-03	
00100515	9.400E-05	9.600E-05	2.400E-06	6.487E-04	6.520E-04	-3.100E-06	0.1073	0.1140	-4.200E-03	
00100516	9.400E-05	9.600E-05	5.000E-06	7.704E-04	7.750E-04	-4.500E-06	0.1509	0.1640	-1.510E-02	
00100521	9.760E-05	9.300E-05	4.600E-06	6.831E-04	6.870E-04	-5.900E-06	0.1494	0.1730	-2.340E-02	
00100522	9.600E-05	9.200E-05	4.900E-06	6.819E-04	6.870E-04	-5.100E-06	0.1178	0.1240	-6.200E-03	
00100523	9.600E-05	9.300E-05	5.300E-06	7.083E-04	7.130E-04	-4.700E-06	0.1231	0.1330	-9.000E-03	
00100524	9.740E-05	9.200E-05	5.400E-06	6.716E-04	6.760E-04	-4.600E-06	0.1164	0.1240	-7.600E-03	
00100525	9.470E-05	9.000E-05	4.700E-06	6.696E-04	6.750E-04	-5.400E-06	0.1317	0.1430	-1.130E-02	
00100526	1.012E-04	9.600E-05	5.200E-06	7.601E-04	7.650E-04	-4.900E-06	0.1523	0.1730	-2.100E-02	
00100527	9.880E-05	9.200E-05	6.800E-06	7.320E-04	7.370E-04	-5.000E-06	0.1387	0.1540	-1.530E-02	
00100528	9.860E-05	9.300E-05	4.600E-06	7.345E-04	7.390E-04	-4.600E-06	0.1421	0.1600	-1.790E-02	
00100529	9.360E-05	9.600E-05	4.400E-06	7.112E-04	7.160E-04	-4.400E-06	0.1549	0.1810	-2.410E-02	
00100530	9.630E-05	9.200E-05	4.300E-06	6.509E-04	6.560E-04	-5.100E-06	0.1043	0.1140	-5.700E-03	
00100544	9.720E-05	9.200E-05	5.200E-06	6.700E-04	6.750E-04	-5.700E-06	0.1161	0.1220	-5.900E-03	
00100545	1.005E-04	9.500E-05	6.300E-06	6.401E-04	6.450E-04	-5.400E-06	0.1069	0.1140	-7.100E-03	
00100547	9.750E-05	9.100E-05	4.300E-06	7.189E-04	7.250E-04	-5.100E-06	0.1354	0.1520	-8.500E-03	
00100548	9.620E-05	9.000E-05	6.200E-06	6.422E-04	6.490E-04	-6.400E-06	0.1157	0.1250	-9.600E-03	
00100549	1.014E-04	9.500E-05	6.600E-06	7.026E-04	7.090E-04	-6.500E-06	0.1239	0.1290	-9.600E-03	
00100590	1.034E-04	9.500E-05	5.400E-06	7.521E-04	7.570E-04	-6.000E-06	0.1491	0.1600	-6.670E-03	
00100591	9.730E-05	9.100E-05	6.300E-06	6.456E-04	6.510E-04	-5.400E-06	0.1069	0.1140	-7.100E-03	
00100592	9.230E-05	8.600E-05	4.100E-06	6.401E-04	6.450E-04	-5.000E-06	0.1175	0.1260	-8.500E-03	
00100593	9.840E-05	9.400E-05	4.400E-06	6.673E-04	6.730E-04	-5.300E-06	0.1209	0.1290	-9.100E-03	
00100594	1.014E-04	9.500E-05	5.400E-06	6.461E-04	6.510E-04	-5.200E-06	0.1249	0.1340	-1.310E-02	
00100595	1.009E-04	9.500E-05	5.400E-06	7.613E-04	7.690E-04	-6.100E-06	0.1450	0.1650	-1.620E-02	
00100596	1.024E-04	9.900E-05	3.400E-06	7.575E-04	7.640E-04	-5.900E-06	0.1519	0.1710	-1.540E-02	
00100597	9.210E-05	8.600E-05	6.100E-06	8.637E-04	8.690E-04	-5.100E-06	0.1241	0.1330	-8.700E-03	

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

27-10332

MOTOROLA PART NO.: SC2210

TITLE: DEVICES: DOUBLE GATE

FILE NAME: SC2210A9

SERIAL	1 1967 I (IN) (1)	2 1975 I (IN) (1)	3 DELTA I (IN) (1)	4 1967 I (OUT) (7)	5 1975 I (OUT) (7)	6 DELTA I (OUT) (7)	7 1967 V (OUT) (6-1)	8 1975 V (OUT) (6-1)	9 DELTA V (OUT) (6-1)
00100598	1.005E-04	9.603E-05	4.900E-06	6.482E-04	6.710E-04	-4.800E-05	9.910E-02	0.1030	-3.500E-03
00100599	9.750E-05	9.600E-05	1.500E-06	6.491E-04	6.710E-04	-1.900E-05	0.1228	0.1260	-3.200E-03
00100600	9.720E-05	9.307E-05	4.200E-06	6.489E-04	6.689E-04	-6.100E-06	0.1171	0.1249	-6.700E-03
00100601	1.034E-04	1.003E-04	3.800E-06	7.516E-04	7.573E-04	-5.400E-05	0.1402	0.1510	-1.000E-02
00100602	9.720E-05	9.600E-05	1.200E-06	6.746E-04	6.740E-04	-1.400E-06	0.1155	0.1210	-2.500E-03
00100603	9.730E-05	9.700E-05	2.300E-06	6.717E-04	6.740E-04	-2.300E-06	0.1182	0.1220	-3.800E-03
00100604	1.002E-04	9.603E-05	4.200E-06	7.311E-04	7.363E-04	-5.900E-06	0.1341	0.1420	-7.400E-03
00100605	9.390E-05	9.000E-05	3.900E-06	6.515E-04	6.585E-04	-6.500E-06	0.1201	0.1270	-6.500E-03
00100606	1.025E-04	1.003E-04	2.500E-06	6.995E-04	7.030E-04	-3.500E-06	0.1216	0.1280	-6.400E-03
00100607	9.530E-05	9.100E-05	4.300E-06	6.423E-04	6.470E-04	-4.700E-06	0.1220	0.1280	-6.000E-03
00100608	9.460E-05	9.200E-05	2.600E-06	6.446E-04	6.452E-04	-3.400E-06	0.1142	0.1190	-4.500E-03
00100609	9.770E-05	9.300E-05	4.700E-06	6.537E-04	6.583E-04	-4.300E-06	0.1069	0.1120	-5.100E-03
00100610	9.940E-05	9.600E-05	3.400E-06	6.450E-04	6.450E-04	-6.500E-06	0.1305	0.1370	-8.400E-03
00100611	9.650E-05	9.400E-05	2.500E-06	6.820E-04	6.835E-04	-8.000E-06	0.1244	0.1300	-5.200E-03
00100612	9.900E-05	9.600E-05	3.000E-06	7.300E-04	7.343E-04	-4.000E-06	0.1443	0.1530	-9.000E-03
00100613	9.240E-05	8.900E-05	3.400E-06	6.593E-04	6.630E-04	-3.700E-06	0.1251	0.1320	-6.700E-03
00100614	1.001E-04	9.700E-05	3.300E-06	7.296E-04	7.320E-04	-3.100E-06	0.1297	0.1390	-9.300E-03
00100615	9.340E-05	9.000E-05	3.300E-06	6.484E-04	6.520E-04	-3.600E-06	0.1277	0.1290	-6.300E-03
00100616	9.560E-05	9.200E-05	4.600E-06	6.946E-04	6.990E-04	-4.500E-06	0.1212	0.1270	-5.900E-03
00100617	9.840E-05	9.600E-05	2.400E-06	6.601E-04	6.640E-04	-5.600E-06	0.1140	0.1190	-9.000E-03
00100618	1.017E-04	9.400E-05	3.700E-06	7.211E-04	7.280E-04	-6.900E-06	0.1260	0.1330	-7.000E-03
00100619	9.990E-05	9.300E-05	6.900E-06	6.441E-04	6.520E-04	-5.400E-06	0.1125	0.1170	-6.400E-03
00100620	9.910E-05	9.400E-05	5.100E-06	6.477E-04	6.720E-04	-4.300E-06	0.1193	0.1280	-8.200E-03
00100621	9.690E-05	9.500E-05	1.900E-06	6.541E-04	6.540E-04	-1.900E-06	9.890E-02	0.1310	-2.100E-03
00100622	1.017E-04	9.500E-05	5.700E-06	7.328E-04	7.380E-04	-5.200E-06	0.1344	0.1470	-7.600E-03
00100623	9.630E-04	9.400E-05	2.300E-06	6.815E-04	6.850E-04	-3.500E-06	0.1255	0.1300	-6.500E-03
00100624	9.600E-05	9.400E-05	2.600E-06	6.670E-04	6.650E-04	-6.500E-06	0.1115	0.1160	-4.500E-03
00100625	9.530E-05	9.300E-05	2.300E-06	6.555E-04	6.590E-04	-2.500E-06	0.1288	0.1330	-4.200E-03
00100626	1.014E-04	9.400E-05	5.400E-06	7.417E-04	7.490E-04	-5.300E-06	0.1384	0.1480	-9.700E-03
00100627	9.490E-05	9.100E-05	3.900E-06	6.911E-04	6.950E-04	-4.900E-06	0.1315	0.1430	-8.500E-03
00100628	1.005E-04	9.400E-05	4.500E-06	7.219E-04	7.270E-04	-5.100E-06	0.1398	0.1510	-1.120E-02
00100629	9.500E-05	9.100E-05	4.000E-06	6.808E-04	6.840E-04	-3.200E-06	0.1395	0.1500	-1.050E-02
00100630	9.700E-05	9.400E-05	3.000E-06	7.149E-04	7.190E-04	-4.100E-06	0.1269	0.1330	-6.700E-03
00100631	1.004E-04	9.600E-05	4.400E-06	7.050E-04	7.100E-04	-5.000E-06	0.1212	0.1270	-5.800E-03
00100632	9.730E-05	9.400E-05	3.300E-06	6.800E-04	6.830E-04	-4.500E-06	0.1210	0.1270	-6.000E-03
00100633	9.340E-05	9.000E-05	3.400E-06	6.815E-04	6.840E-04	-4.600E-06	0.1345	0.1480	-9.400E-03
00100634	1.020E-04	1.000E-04	2.900E-06	7.410E-04	7.450E-04	-4.000E-06	0.1582	0.1830	-2.480E-02
00100635	9.300E-05	9.000E-05	3.300E-06	6.891E-04	6.940E-04	-4.700E-06	0.1157	0.1210	-5.300E-03
00100636	9.450E-05	9.400E-05	3.000E-06	6.450E-04	6.450E-04	-7.000E-06	0.1034	0.1090	-5.200E-03
00100637	9.400E-05	9.400E-05	2.000E-06	6.546E-04	6.570E-04	-1.400E-06	0.1214	0.1250	-7.600E-03
00100638	9.390E-05	9.300E-05	2.900E-06	6.893E-04	6.930E-04	-3.700E-06	0.1206	0.1300	-6.600E-03
00100639	1.004E-04	9.600E-05	4.400E-06	6.974E-04	7.020E-04	-4.500E-06	0.1200	0.1260	-6.000E-03
00100640	9.870E-05	9.500E-05	3.700E-06	7.096E-04	7.130E-04	-4.600E-06	0.1569	0.1600	-7.310E-02
00100641	9.690E-05	9.400E-05	2.800E-06	6.929E-04	6.940E-04	-5.100E-06	0.1291	0.1370	-7.000E-03
00100642	9.910E-05	9.500E-05	4.100E-06	7.412E-04	7.410E-04	-4.700E-06	0.1449	0.1540	-6.100E-03
00100643	9.390E-05	9.000E-05	3.000E-06	6.574E-04	6.570E-04	-4.700E-06	0.1246	0.1310	-6.400E-03
00100644	9.420E-05	9.200E-05	4.200E-06	6.790E-04	6.780E-04	-3.100E-06	0.1344	0.1440	-1.120E-02
00100645	9.650E-05	9.300E-05	3.500E-06	6.511E-04	6.560E-04	-3.900E-06	0.1193	0.1230	-5.000E-03
00100646	9.710E-05	9.400E-05	3.300E-06	6.546E-04	6.570E-04	-3.400E-06	0.1267	0.1350	-8.300E-03
00100647	1.012E-04	9.500E-05	5.200E-06	7.472E-04	7.520E-04	-4.400E-06	0.1499	0.1640	-1.110E-02

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

MOTOROLA PART NO.: SC2210

FILE NAME: SC2210A8 TITLE: DEVICE: DOUBLE GATE

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SERIAL	1 1 (IN) (1)	2 1 (IN) (1)	3 DELTA 1 (IN) (1)	4 1 (OUT) (1)	5 1 (OUT) (1)	6 DELTA 1 (OUT) (1)	7 1967 V(OUT) (6-1)	8 1975 V(OUT) (6-1)	9 DELTA V(OUT) (6-1)
00100811	9.920E-05	9.503E-05	4.200E-04	7.145E-04	7.190E-04	-4.500E-04	0.1299	0.1430	-1.010E-02
00100812	9.420E-05	9.100E-05	3.200E-04	6.450E-04	6.480E-04	-3.000E-04	0.1192	0.1240	-4.800E-03
00100813	9.932E-05	9.400E-05	5.300E-04	7.045E-04	7.090E-04	-4.600E-04	0.1248	0.1320	-7.200E-03
00100814	9.370E-05	9.000E-05	3.700E-04	6.513E-04	6.550E-04	-3.700E-04	0.1202	0.1270	-6.800E-03
00100815	9.640E-05	9.400E-05	2.400E-04	6.519E-04	6.570E-04	-3.200E-04	0.1124	0.1140	-3.200E-03
00100816	9.892E-05	9.403E-05	4.900E-04	7.345E-04	7.393E-04	-4.500E-04	0.1509	0.1670	-1.610E-02
00100817	9.370E-05	9.000E-05	3.700E-04	6.566E-04	6.500E-04	-4.500E-04	0.1217	0.1290	-7.300E-03
00100818	9.660E-05	9.200E-05	4.600E-04	6.440E-04	6.490E-04	-4.100E-04	0.1085	0.1132	-4.500E-03
00100819	9.410E-05	9.300E-05	1.100E-04	6.674E-04	6.690E-04	-1.600E-04	0.1474	0.1580	-7.100E-03
00100820	9.460E-05	9.403E-05	6.000E-07	6.645E-04	6.690E-04	-2.500E-04	0.1280	0.1290	-3.000E-03
00100821	9.590E-05	9.103E-05	4.500E-04	6.774E-04	6.830E-04	-5.500E-04	0.1294	0.1360	-6.100E-03
00100822	9.840E-05	9.500E-05	2.400E-04	7.004E-04	7.040E-04	-3.500E-04	0.1438	0.1520	-8.200E-03
00100823	9.400E-05	9.100E-05	3.000E-04	6.675E-04	6.710E-04	-3.500E-04	0.1231	0.1290	-5.500E-03
00100824	1.010E-04	9.802E-05	3.000E-06	6.942E-04	6.980E-04	-3.700E-04	0.1320	0.1410	-9.000E-03
00100825	9.740E-05	9.403E-05	3.900E-04	6.599E-04	6.640E-04	-4.100E-04	0.1177	0.1250	-7.300E-03
00100826	9.240E-05	9.103E-05	1.800E-04	6.611E-04	6.640E-04	-2.900E-04	0.1252	0.1300	-4.400E-03
00100827	9.460E-05	9.303E-05	1.600E-04	6.699E-04	6.730E-04	-3.100E-04	0.1253	0.1300	-4.700E-03
00100828	9.750E-05	9.603E-05	1.500E-04	6.919E-04	6.940E-04	-2.100E-04	0.1163	0.1180	-1.700E-03
00100829	9.430E-05	9.200E-05	2.700E-04	6.872E-04	6.900E-04	-2.800E-04	0.1081	0.1110	-2.900E-03
00100830	9.430E-05	9.200E-05	2.300E-04	6.449E-04	6.520E-04	-3.100E-04	0.1224	0.1290	-6.200E-03
00100831	9.100E-05	8.802E-05	3.000E-04	6.595E-04	6.630E-04	-3.500E-04	0.1244	0.1310	-6.200E-03
00100832	1.034E-04	1.063E-04	3.400E-04	7.155E-04	7.410E-04	-5.500E-04	0.1322	0.1430	-1.000E-02
00100833	9.450E-05	9.303E-05	3.500E-04	6.874E-04	6.883E-04	-3.500E-04	0.1184	0.1220	-5.200E-03
00100834	9.700E-05	9.403E-05	1.000E-04	6.974E-04	6.980E-04	-2.500E-04	0.1300	0.1350	-3.500E-03
00100835	9.780E-05	9.503E-05	2.400E-04	6.897E-04	6.920E-04	-3.300E-04	0.1379	0.1470	-9.100E-03
00100836	9.390E-05	9.403E-05	-1.000E-07	6.591E-04	6.340E-04	-7.000E-04	0.1160	0.1170	-1.000E-03
00100837	1.031E-04	1.030E-04	1.000E-07	6.992E-04	7.020E-04	-2.600E-04	9.420E-02	9.500E-02	-8.000E-04
00100838	1.012E-04	9.403E-05	3.700E-04	7.081E-04	7.110E-04	-2.900E-04	0.1067	0.1100	-3.300E-03
00100839	1.010E-04	1.003E-04	1.900E-04	7.000E-04	7.030E-04	-3.000E-04	9.800E-02	0.1070	-3.100E-03
00100840	9.540E-05	9.203E-05	3.400E-04	6.590E-04	6.620E-04	-3.000E-04	8.520E-02	8.700E-02	-1.800E-03
00100841	1.024E-04	1.013E-04	1.800E-04	6.813E-04	6.840E-04	-3.400E-04	9.110E-02	9.300E-02	-1.900E-03
00100842	9.240E-05	8.802E-05	2.400E-04	6.962E-04	6.900E-04	-3.400E-04	8.100E-02	8.300E-02	-2.000E-03
00100843	9.790E-05	9.503E-05	2.900E-04	6.907E-04	6.940E-04	-3.300E-04	8.800E-02	9.100E-02	-2.100E-03
00100844	1.022E-04	1.013E-04	1.700E-04	7.102E-04	7.130E-04	-2.800E-04	0.1193	0.1240	-5.000E-03
00100845	9.860E-05	9.603E-05	3.600E-04	6.891E-04	6.910E-04	-3.900E-04	7.570E-02	7.700E-02	-1.300E-03
00100846	1.036E-04	1.030E-04	2.800E-04	7.172E-04	7.210E-04	-3.900E-04	0.1050	0.1100	-5.000E-03
00100847	1.016E-04	9.403E-05	3.400E-04	7.035E-04	7.080E-04	-3.500E-04	8.810E-02	9.030E-02	-1.000E-03
00100848	9.030E-05	1.063E-04	2.600E-04	7.584E-04	7.600E-04	-2.200E-04	0.1222	0.1300	-7.800E-03
00100849	9.030E-05	9.503E-05	4.000E-04	6.803E-04	6.850E-04	-2.700E-04	0.1032	0.1100	-6.800E-03
00100850	9.440E-05	9.203E-05	2.400E-04	6.342E-04	6.470E-04	-2.400E-04	9.350E-02	9.200E-02	-1.500E-03
00100851	8.950E-05	8.403E-05	3.500E-04	6.971E-04	6.970E-04	-5.900E-04	8.990E-02	9.200E-02	-2.100E-03
00100852	8.800E-05	8.203E-05	2.800E-04	6.742E-04	6.740E-04	-2.800E-04	0.1327	0.1420	-9.300E-03
00100853	9.050E-05	9.030E-05	5.000E-07	6.444E-04	6.340E-04	-5.500E-04	0.1247	0.1290	-6.300E-03
00100854	1.050E-04	1.040E-04	1.900E-04	6.922E-04	6.950E-04	-2.800E-04	0.1070	0.1120	-5.000E-03
00100855	1.025E-04	1.003E-04	2.400E-04	6.927E-04	6.970E-04	-3.400E-04	9.020E-02	9.300E-02	-2.100E-03
00100856	1.044E-04	1.030E-04	3.400E-04	6.827E-04	6.860E-04	-3.400E-04	9.240E-02	0.1050	-5.200E-03
00100857	8.920E-05	8.503E-05	4.700E-04	6.908E-04	6.940E-04	-5.100E-04	9.400E-02	9.800E-02	-3.100E-03
00100858	1.034E-04	1.013E-04	2.600E-04	7.205E-04	7.240E-04	-3.400E-04	0.1257	0.1310	-7.800E-03
00100859	1.034E-04	1.013E-04	2.600E-04	6.909E-04	6.940E-04	-5.100E-04	9.400E-02	9.700E-02	-3.000E-03
00100860	1.076E-04	9.403E-05	4.600E-04	7.101E-04	7.140E-04	-3.900E-04	0.1095	0.1150	-5.400E-03

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210AR	TITLE: DEVICE: DOUBLE GATE				MULTIPOLA PART NO.: SC2210				AGEING PART NO.: 27-10332				17 SEP 75	
SERIAL	1 1967 (1)	2 1975 (1)	3 DELTA 1 (1)	4 1967 (7)	5 1975 (7)	6 DELTA (7)	7 1967 (6-1)	8 1975 (6-1)	9 DELTA (6-1)					
00101023	9.020E-05	9.600E-05	4.200E-06	6.034E-04	6.040E-04	-6.400E-04	9.560E-02	9.800E-02	-2.400E-03					
00101024	9.940E-05	9.900E-05	3.600E-06	6.618E-04	6.640E-04	-2.200E-04	7.910E-02	8.000E-02	-9.000E-04					
00101025	1.021E-04	1.010E-04	1.300E-06	7.001E-04	7.001E-04	-3.900E-05	9.680E-02	0.1010	-4.200E-03					
00101026	9.990E-05	9.900E-05	3.000E-06	6.604E-04	6.640E-04	-3.600E-04	8.150E-02	8.300E-02	-1.400E-03					
00101027	1.031E-04	1.010E-04	2.300E-06	7.016E-04	7.050E-04	-3.600E-04	9.1040	0.1090	-5.000E-03					
00101029	9.570E-05	9.100E-05	2.700E-06	6.766E-04	6.790E-04	-3.600E-04	0.1345	0.1440	-9.500E-03					
00101029	9.940E-05	9.600E-05	3.600E-06	6.918E-04	6.950E-04	-3.200E-05	8.900E-02	9.200E-02	-3.000E-03					
00101030	9.570E-05	9.400E-05	1.700E-06	6.675E-04	6.700E-04	-2.500E-04	0.1311	0.1370	-5.900E-03					
00101031	1.004E-05	9.600E-05	4.400E-06	6.844E-04	6.840E-04	-3.600E-04	0.1242	0.1320	-7.800E-03					
00101032	1.021E-04	1.010E-04	1.900E-06	7.158E-04	7.190E-04	-3.200E-05	0.1150	0.1150	-5.000E-03					
00101033	1.007E-04	9.700E-05	3.700E-06	6.751E-04	6.790E-04	-3.000E-04	7.390E-02	7.700E-02	-3.100E-03					
00101044	1.021E-04	1.040E-04	0.0	7.114E-04	7.130E-04	-1.600E-05	0.1124	0.1140	-1.600E-03					
00101087	1.035E-04	1.040E-04	1.000E-06	6.811E-04	6.820E-04	-2.900E-06	9.070E-02	9.100E-02	-8.000E-04					
00101090	1.035E-04	1.030E-04	5.000E-07	7.250E-04	7.270E-04	-2.000E-05	0.1135	0.1210	-2.500E-03					
00101091	1.021E-04	1.020E-04	6.000E-07	7.225E-04	7.250E-04	-2.800E-05	9.520E-02	9.700E-02	-1.800E-03					
00101092	1.034E-04	1.020E-04	1.400E-06	6.895E-04	6.920E-04	-2.500E-05	9.410E-02	9.680E-02	-1.900E-03					
00101093	9.000E-05	8.300E-05	2.000E-06	6.060E-04	6.090E-04	-3.000E-05	9.320E-02	9.500E-02	-1.900E-03					
00101094	1.034E-04	1.020E-04	1.800E-06	7.457E-04	7.480E-04	-2.300E-05	0.1540	0.1710	-1.500E-02					
00101095	1.034E-04	1.010E-04	2.500E-06	7.595E-04	7.570E-04	-3.200E-05	0.1465	0.1540	-1.150E-02					
00101096	1.035E-04	1.010E-04	2.300E-06	7.495E-04	7.520E-04	-3.200E-05	0.1250	0.1310	-6.000E-03					
00101097	9.230E-05	9.900E-05	3.300E-06	6.109E-04	6.140E-04	-3.200E-05	9.115E-02	9.300E-02	-1.600E-03					
00101099	1.005E-04	9.700E-05	3.500E-06	7.016E-04	7.050E-04	-3.400E-05	9.730E-02	9.900E-02	-1.700E-03					
00101100	1.051E-04	1.040E-04	1.100E-06	6.516E-04	6.550E-04	-2.900E-05	0.1173	0.1230	-5.200E-03					
00101101	1.042E-04	1.030E-04	8.000E-07	7.621E-04	7.640E-04	-1.900E-05	8.510E-02	8.600E-02	-9.000E-04					
00101103	1.014E-04	1.030E-04	1.400E-06	7.296E-04	7.320E-04	-2.400E-05	0.1439	0.1560	-6.100E-03					
00101104	8.960E-05	8.500E-05	3.600E-06	6.185E-04	6.220E-04	-3.500E-05	0.1299	0.1350	-5.100E-03					
00101105	1.011E-04	9.500E-05	5.100E-06	7.182E-04	7.210E-04	-2.800E-05	9.780E-02	0.1020	-4.200E-03					
00101160	1.035E-04	1.010E-04	9.000E-07	7.094E-04	7.130E-04	-3.400E-05	0.1181	0.1250	-6.500E-03					
00101161	1.002E-04	9.600E-05	4.200E-06	7.076E-04	7.110E-04	-3.400E-05	9.610E-02	9.700E-02	-9.000E-04					
00101163	1.041E-04	1.020E-04	2.300E-06	7.212E-04	7.250E-04	-3.800E-05	0.1131	0.1190	-5.900E-03					
00101164	9.940E-05	9.500E-05	4.400E-06	6.655E-04	6.700E-04	-4.500E-05	7.530E-02	7.700E-02	-1.700E-03					
00101165	9.740E-05	9.600E-05	3.600E-06	6.554E-04	6.590E-04	-3.600E-05	7.990E-02	8.200E-02	-2.100E-03					
00101167	9.940E-05	9.500E-05	4.600E-06	6.721E-04	6.770E-04	-4.700E-05	8.570E-02	8.900E-02	-3.300E-03					
00101169	9.170E-05	8.900E-05	3.700E-06	6.342E-04	6.370E-04	-4.300E-05	9.690E-02	0.1050	-6.100E-03					
00101169	9.090E-05	8.700E-05	3.900E-06	6.182E-04	6.230E-04	-4.400E-05	5.470E-02	9.890E-02	-3.800E-03					
00101170	1.003E-04	9.500E-05	5.300E-06	6.646E-04	6.690E-04	-5.500E-05	9.600E-02	9.000E-02	-4.000E-03					
00101171	1.057E-04	1.030E-04	2.700E-06	7.408E-04	7.450E-04	-5.200E-05	0.1041	0.1100	-5.000E-03					
00101172	9.910E-05	9.400E-05	5.100E-06	6.790E-04	6.830E-04	-4.900E-05	0.1115	0.1190	-6.500E-03					
00101173	9.260E-05	8.900E-05	3.600E-06	6.326E-04	6.370E-04	-4.500E-05	9.100E-02	9.400E-02	-3.000E-03					
00101174	9.010E-05	8.600E-05	5.100E-06	6.745E-04	6.810E-04	-5.500E-05	7.120E-02	7.400E-02	-2.800E-03					
00101175	1.035E-04	9.500E-05	3.300E-06	6.646E-04	6.690E-04	-4.500E-05	9.000E-02	9.300E-02	-3.000E-03					
00101176	1.035E-04	9.500E-05	4.700E-06	6.620E-04	6.670E-04	-4.200E-05	7.220E-02	7.500E-02	-2.800E-03					
00101177	9.960E-05	9.600E-05	4.600E-06	6.416E-04	6.470E-04	-5.100E-05	7.150E-02	7.400E-02	-3.500E-03					
00101233	1.035E-04	1.020E-04	1.700E-06	7.363E-04	7.410E-04	-6.700E-05	9.100E-02	0.1070	-5.700E-03					
00101234	9.150E-05	8.700E-05	2.800E-06	6.121E-04	6.160E-04	-3.900E-05	8.100E-02	9.300E-02	-2.000E-03					
00101236	9.030E-05	8.600E-05	4.300E-06	6.056E-04	6.110E-04	-4.500E-05	9.700E-02	9.100E-02	-3.400E-03					
00101237	9.940E-05	9.600E-05	3.900E-06	7.218E-04	7.260E-04	-3.200E-05	9.120E-02	0.1190	-9.400E-03					
00101239	9.860E-05	9.500E-05	3.600E-06	6.613E-04	6.660E-04	-4.700E-05	7.400E-02	7.600E-02	-2.000E-03					

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE. (Continued)

FILE NAME: SC2210A	TITLE: DEVICE: DOUBLE GATE				MOTOROLA PART NO.: 5C2210				AGEING PART NO.: 27-10332				17 SEP 75			
SERIAL	1 1967 (1)	2 1975 (1)	3 DELTA (1)	4 1967 (1)	5 1975 (1)	6 DELTA (1)	7 1967 (1)	8 1975 (1)	9 DELTA (1)							
00101239	9.160E-05	8.903E-05	2.600E-06	6.740E-04	6.280E-04	-4.000E-04	9.483E-02	8.700E-02	-2.200E-03							
00101240	9.860E-05	9.603E-05	2.600E-06	5.956E-04	5.905E-04	-3.400E-04	9.035E-02	9.300E-02	-2.700E-03							
00101241	9.900E-05	8.603E-05	3.000E-06	6.035E-04	6.075E-04	-4.000E-04	9.175E-02	9.400E-02	-2.300E-03							
00101242	1.037E-04	1.020E-04	1.700E-06	6.999E-04	7.020E-04	-3.100E-04	0.1104	0.1160	-5.200E-03							
00101243	8.770E-05	8.603E-04	1.700E-06	6.935E-04	5.970E-04	-3.500E-04	8.780E-02	8.900E-02	-1.500E-03							
00101244	1.037E-04	1.020E-04	1.200E-06	7.005E-04	7.030E-04	-3.000E-04	0.1127	0.1180	-5.300E-03							
00101245	9.980E-05	9.900E-04	1.900E-06	7.060E-04	7.090E-04	-3.000E-04	0.1071	0.1110	-5.900E-03							
00101246	8.800E-05	8.503E-05	2.000E-06	5.680E-04	5.710E-04	-2.000E-04	7.800E-02	7.800E-02	-2.000E-03							
00101247	9.000E-05	8.803E-05	2.000E-06	6.222E-04	6.265E-04	-2.000E-04	9.540E-02	9.800E-02	-2.400E-03							
00101248	9.700E-05	8.503E-05	2.000E-06	5.041E-04	5.080E-04	-3.000E-04	9.270E-02	9.500E-02	-2.700E-03							
00101249	9.640E-05	8.503E-05	1.400E-06	7.404E-04	7.445E-04	-2.000E-04	9.403E-02	9.700E-02	-2.400E-03							
00101304	9.103E-05	9.003E-05	1.000E-06	6.185E-04	6.210E-04	-2.500E-04	8.430E-02	8.500E-02	-7.000E-04							
00101305	9.930E-05	9.403E-05	3.300E-06	7.136E-04	7.170E-04	-1.900E-04	9.903E-02	0.1040	-4.100E-03							
00101306	9.840E-05	9.503E-05	3.400E-06	6.440E-04	6.500E-04	-4.000E-04	7.780E-02	7.900E-02	-1.200E-03							
00101307	1.037E-04	1.020E-04	1.800E-06	7.147E-04	7.170E-04	-2.000E-04	0.1127	0.1180	-5.300E-03							
00101309	9.130E-05	8.603E-05	3.300E-06	5.935E-04	5.985E-04	-2.000E-04	8.930E-02	9.000E-02	-1.700E-03							
00101310	1.027E-04	1.000E-04	2.200E-06	6.277E-04	6.740E-04	-2.300E-04	0.1075	0.1070	-4.500E-03							
00101311	1.054E-04	1.040E-04	1.800E-06	7.596E-04	7.630E-04	-1.400E-04	0.1271	0.1350	-7.900E-03							
00101312	1.030E-04	1.010E-04	2.000E-06	7.123E-04	7.155E-04	-2.700E-04	0.1181	0.1250	-6.900E-03							
00101313	1.016E-04	1.003E-04	1.900E-06	6.805E-04	6.840E-04	-3.500E-04	9.280E-02	9.500E-02	-2.200E-03							
00101314	9.003E-05	8.603E-05	4.000E-06	7.277E-04	7.275E-04	-4.300E-04	0.1133	0.1240	-1.070E-02							
00101315	1.025E-04	1.005E-04	2.500E-06	7.451E-04	7.480E-04	-2.900E-04	0.1324	0.1420	-9.700E-03							
00101316	9.003E-05	8.603E-05	4.000E-06	6.210E-04	6.280E-04	-4.000E-04	9.503E-02	9.800E-02	-3.000E-03							
00101317	1.059E-04	1.030E-04	2.800E-06	7.602E-04	7.645E-04	-3.800E-04	0.1234	0.1320	-8.400E-03							
00101318	1.046E-04	1.020E-04	2.400E-06	7.036E-04	7.070E-04	-3.500E-04	0.1095	0.1150	-5.400E-03							
00101319	9.640E-05	9.403E-05	6.000E-07	6.910E-04	6.835E-04	-2.000E-04	0.1212	0.1240	-4.800E-03							
00101320	1.035E-04	1.010E-04	2.500E-06	7.124E-04	7.150E-04	-2.600E-04	0.1099	0.1150	-5.100E-03							
00101321	1.116E-04	1.060E-04	5.600E-06	7.169E-04	7.225E-04	-5.100E-04	0.1162	0.1260	-9.900E-03							
00101376	1.035E-04	1.030E-04	5.000E-07	7.169E-04	7.115E-04	-3.000E-04	0.1032	0.1370	-3.800E-03							
00101377	1.050E-04	1.040E-04	1.000E-07	6.955E-04	6.880E-04	-2.500E-04	9.245E-02	9.400E-02	-1.200E-03							
00101379	9.450E-05	9.400E-05	2.500E-06	6.904E-04	6.930E-04	-2.400E-04	9.515E-02	9.700E-02	-1.900E-03							
00101380	1.029E-04	1.020E-04	9.000E-07	7.034E-04	7.065E-04	-2.600E-04	0.1143	0.1190	-4.700E-03							
00101381	1.036E-04	1.020E-04	1.500E-06	7.095E-04	7.135E-04	-1.500E-04	0.1054	0.1100	-4.600E-03							
00101382	1.001E-04	9.700E-05	3.100E-06	6.605E-04	6.635E-04	-3.000E-04	7.800E-02	7.900E-02	-1.800E-03							
00101383	1.021E-04	9.503E-05	4.100E-06	6.995E-04	6.935E-04	-3.100E-04	0.1281	0.1370	-8.900E-03							
00101384	9.003E-05	8.603E-05	4.200E-06	7.021E-04	7.050E-04	-2.700E-04	0.1145	0.1250	-6.500E-03							
00101385	9.995E-05	9.603E-05	2.900E-06	7.049E-04	7.110E-04	-2.000E-04	9.385E-02	9.600E-02	-2.200E-03							
00101386	1.010E-04	9.803E-05	3.000E-06	7.312E-04	7.345E-04	-2.800E-04	0.1271	0.1350	-7.500E-03							
00101387	9.710E-05	9.403E-05	3.100E-06	6.296E-04	6.370E-04	-1.400E-04	7.075E-02	7.300E-02	-3.000E-04							
00101388	1.020E-04	9.903E-05	2.900E-06	7.159E-04	7.185E-04	-2.700E-04	9.910E-02	0.1040	-6.400E-03							
00101389	1.033E-04	1.023E-04	1.300E-06	7.127E-04	7.165E-04	-2.400E-04	0.1091	0.1120	-3.900E-03							
00101390	9.100E-05	8.903E-05	2.000E-06	5.278E-04	5.315E-04	-1.700E-04	8.350E-02	3.500E-02	-1.500E-03							
00101391	1.055E-04	1.045E-04	5.000E-07	7.440E-04	7.475E-04	-3.000E-04	0.1314	0.1430	-6.600E-03							
00101392	1.025E-04	1.010E-04	1.600E-06	7.147E-04	7.135E-04	-3.000E-04	0.1097	0.1140	-6.200E-03							
00101393	1.047E-04	1.033E-04	1.700E-06	7.135E-04	7.175E-04	-1.500E-04	0.1091	0.1150	-5.900E-03							
00101448	9.020E-05	9.703E-05	2.000E-07	6.935E-04	6.965E-04	-2.400E-04	9.335E-02	9.500E-02	-1.200E-03							
00101449	9.703E-05	9.703E-05	1.000E-06	5.927E-04	5.955E-04	-2.400E-04	1.032	0.1060	-2.900E-03							
00101450	9.703E-05	9.703E-05	2.000E-06	6.635E-04	6.665E-04	-2.400E-04	7.875E-02	7.700E-02	-2.300E-03							
00101451	1.014E-04	1.010E-04	8.000E-07	7.335E-04	7.365E-04	-2.700E-04	1.135	0.1400	-7.400E-03							
00101452	1.001E-04	9.903E-05	1.100E-06	6.702E-04	6.740E-04	-2.600E-04	7.735E-02	7.600E-02	-7.900E-04							

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

SC2210A

TITLE: DEVICE: DOUBLE GATE

MOTOROLA PART NO.: SC2210

ROEING PART NO.: 27-10332

FILE NAME: SC2210AR

DELTA

SERIAL	1 1967 I (IN) (1)	2 1975 I (IN) (1)	3 DELTA I (IN) (1)	4 1967 I (OUT) (7)	5 1975 I (OUT) (7)	6 DELTA I (OUT) (7)	7 1967 V (OUT) (6-1)	8 1975 V (OUT) (6-1)	9 DELTA V (OUT) (6-1)
00101453	8.650E-05	8.600E-05	5.000E-07	5.943E-04	5.850E-04	-1.700E-04	8.970E-02	9.900E-02	-7.000E-04
00101454	1.013E-04	9.503E-05	6.300E-06	6.951E-04	7.000E-04	-4.900E-06	0.1157	0.1250	-9.300E-03
00101456	9.420E-05	9.403E-05	2.000E-07	6.530E-04	6.500E-04	-2.000E-06	0.1033	0.1050	-2.700E-03
00101457	1.028E-04	1.033E-04	-2.000E-07	7.113E-04	7.140E-04	-2.700E-06	9.923E-02	0.1070	-3.800E-03
00101458	1.001E-04	9.800E-05	2.100E-06	6.752E-04	6.740E-04	-2.700E-06	9.920E-02	9.100E-02	-1.800E-03
00101459	9.350E-05	9.200E-05	1.500E-06	6.527E-04	6.500E-04	-2.700E-06	7.353E-02	7.400E-02	-5.000E-04
00101460	9.940E-05	9.503E-05	3.400E-06	6.913E-04	6.950E-04	-1.700E-06	9.117E-02	9.300E-02	-1.900E-03
00101461	9.790E-05	8.503E-05	1.900E-06	5.945E-04	5.980E-04	-3.700E-06	8.843E-02	9.100E-02	-2.200E-03
00101462	9.740E-05	9.703E-05	2.400E-06	6.627E-04	6.680E-04	-2.100E-06	5.660E-02	6.700E-02	-6.000E-04
00101463	9.030E-05	8.403E-05	2.300E-06	6.088E-04	6.130E-04	-4.700E-06	9.520E-02	9.700E-02	-1.900E-03
00101464	1.017E-04	1.003E-04	1.900E-06	7.317E-04	7.350E-04	-3.700E-06	0.1219	0.1270	-7.100E-03
00101465	9.990E-05	9.803E-05	1.900E-06	6.121E-04	6.163E-04	-3.700E-06	9.373E-02	9.600E-02	-2.300E-03
00101466	1.016E-04	1.010E-04	6.000E-07	7.181E-04	7.210E-04	-2.900E-06	9.943E-02	0.1030	-3.600E-03
00101467	9.470E-05	8.603E-05	2.200E-06	5.943E-04	5.993E-04	-2.700E-06	8.603E-02	8.700E-02	-1.000E-03
00101468	1.016E-04	1.003E-04	1.900E-06	6.954E-04	6.993E-04	-2.600E-06	0.1176	0.1220	-4.400E-04
00101469	8.640E-05	8.603E-05	4.000E-07	8.034E-04	8.053E-04	-1.600E-06	9.213E-02	9.300E-02	-9.000E-04
00101470	1.016E-04	1.003E-04	-1.200E-06	7.181E-04	7.193E-04	-2.300E-06	9.723E-02	0.1000	-2.800E-03
00101471	1.016E-04	1.003E-04	-1.000E-06	6.912E-04	6.930E-04	-1.800E-06	8.076E-02	8.000E-02	-7.000E-04
00101472	9.320E-05	9.303E-05	2.000E-07	6.805E-04	6.820E-04	-1.500E-06	0.1072	0.1080	-2.000E-04
00101473	9.170E-05	8.903E-05	2.200E-06	6.152E-04	6.191E-04	-2.700E-06	9.263E-02	9.500E-02	-2.400E-03
00101474	1.039E-04	1.033E-04	1.400E-06	6.741E-04	6.780E-04	-2.700E-06	3.303E-02	3.400E-02	-1.000E-03
00101475	8.780E-05	8.503E-05	2.900E-06	6.959E-04	6.993E-04	-3.200E-06	9.240E-02	9.500E-02	-2.200E-03
00101476	1.059E-04	1.050E-04	2.800E-06	6.072E-04	6.103E-04	-2.700E-06	9.800E-02	0.1010	-3.000E-03
00101477	9.800E-05	9.603E-05	9.000E-07	7.611E-04	7.640E-04	-2.700E-06	9.020E-02	9.200E-02	-1.800E-03
00101478	9.800E-05	9.603E-05	3.800E-06	7.104E-04	7.130E-04	-2.600E-06	0.1071	0.1120	-4.900E-03
00101479	9.800E-05	9.603E-05	1.800E-06	6.944E-04	6.970E-04	-2.700E-06	9.940E-02	0.1040	-4.600E-03
00101480	1.011E-04	1.003E-04	1.000E-06	7.130E-04	7.150E-04	-2.600E-06	0.1300	0.1370	-7.000E-03
00101481	1.011E-04	1.003E-04	1.000E-06	7.130E-04	7.150E-04	-2.600E-06	0.1157	0.1200	-4.300E-03
00101482	1.011E-04	1.003E-04	1.000E-06	7.124E-04	7.170E-04	-2.600E-06	0.1207	0.1310	-1.000E-02
00101483	1.011E-04	1.003E-04	1.000E-06	6.955E-04	6.993E-04	-2.500E-06	9.220E-02	9.600E-02	-3.800E-03
00101484	1.011E-04	1.003E-04	1.000E-06	7.144E-04	7.190E-04	-2.600E-06	0.1292	0.1400	-1.080E-02
00101485	1.011E-04	1.003E-04	1.000E-06	6.648E-04	6.680E-04	-2.500E-06	9.673E-02	0.1010	-4.300E-03
00101486	1.011E-04	1.003E-04	1.000E-06	6.721E-04	6.760E-04	-2.500E-06	9.620E-02	9.600E-02	-1.800E-03
00101487	1.011E-04	1.003E-04	1.000E-06	5.884E-04	5.930E-04	-2.500E-06	9.943E-02	9.200E-02	-2.400E-03
00101488	1.011E-04	1.003E-04	1.000E-06	5.764E-04	5.810E-04	-2.500E-06	9.070E-02	9.300E-02	-2.300E-03
00101489	1.011E-04	1.003E-04	1.000E-06	6.384E-04	6.430E-04	-2.500E-06	7.473E-02	8.000E-02	-1.300E-03
00101490	1.011E-04	1.003E-04	1.000E-06	6.466E-04	6.510E-04	-2.500E-06	0.1114	0.1190	-7.500E-03
00101491	1.023E-04	1.023E-04	1.000E-06	7.217E-04	7.290E-04	-5.300E-06	9.680E-02	9.070E-02	-3.200E-03
00101492	1.020E-04	9.800E-05	5.200E-06	6.242E-04	6.290E-04	-5.300E-06	9.493E-02	0.1000	-5.100E-03
00101493	1.021E-04	9.800E-05	4.100E-06	6.865E-04	6.920E-04	-5.100E-06	6.703E-02	6.900E-02	-2.600E-03
00101494	9.940E-05	8.500E-05	4.300E-06	5.934E-04	5.980E-04	-5.600E-06	8.823E-02	9.100E-02	-3.000E-03
00101495	9.450E-05	8.400E-05	4.500E-06	5.954E-04	6.010E-04	-5.500E-06	9.620E-02	9.700E-02	-3.800E-03
00101496	1.017E-04	9.800E-05	7.700E-06	6.594E-04	6.640E-04	-4.700E-06	5.763E-02	6.500E-02	-2.700E-03
00101497	1.003E-04	9.503E-05	5.200E-06	6.744E-04	6.790E-04	-5.200E-06	9.653E-02	9.200E-02	-3.500E-03
00101498	1.003E-05	9.503E-05	2.600E-06	5.710E-04	5.760E-04	-3.700E-06	9.630E-02	8.700E-02	-7.000E-03
00101499	9.930E-05	9.503E-05	4.300E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101500	9.930E-05	9.503E-05	5.000E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101501	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101502	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101503	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101504	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101505	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101506	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101507	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101508	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101509	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101510	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101511	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101512	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101513	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101514	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101515	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101516	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101517	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101518	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101519	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101520	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101521	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101522	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101523	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101524	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101525	9.930E-05	9.503E-05	3.600E-06	6.597E-04	6.640E-04	-5.200E-06	9.673E-02	9.300E-02	-1.300E-03
00101526	9.930								

TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210A9	TITLE: DEVICE: DOUBLE GATE				MOTOROLA PART NO.: SC2210				GOING: PART NO.: 27-10332				17 SEP 75			
SERIAL	1 1967 I (IN) (1)	2 1975 I (IN) (1)	3 DELTA I (IN) (1)	4 1967 I (OUT) (1)	5 1975 I (OUT) (1)	6 DELTA I (OUT) (1)	7 1967 V (OUT) (6-1)	8 1975 V (OUT) (6-1)	9 DELTA V (OUT) (6-1)							
00101893	1.023E-04	9.903E-05	3.300E-06	7.431E-04	7.490E-04	-5.900E-06	0.1232	0.1320	-8.800E-03							
00101894	1.002E-04	9.603E-05	4.200E-06	6.871E-04	6.920E-04	-4.900E-06	0.1309	0.1400	-9.100E-03							
00101895	9.823E-05	9.400E-05	4.200E-06	6.541E-04	6.590E-04	-3.900E-06	9.310E-02	8.600E-02	-2.900E-03							
00101896	9.733E-05	9.400E-05	3.100E-06	6.598E-04	6.640E-04	-4.200E-06	0.1326	0.1410	-8.400E-03							
00101897	9.983E-05	9.600E-05	3.900E-06	6.481E-04	6.530E-04	-3.900E-06	0.1251	0.1330	-7.900E-03							
00101898	9.960E-05	9.603E-05	3.600E-06	6.481E-04	6.520E-04	-3.900E-06	0.1111	0.1150	-4.500E-03							
00101899	1.043E-04	1.020E-04	2.300E-06	7.147E-04	7.190E-04	-4.100E-06	0.1103	0.1150	-5.000E-03							
00101900	9.853E-05	9.503E-05	3.500E-06	6.829E-04	6.870E-04	-4.100E-06	0.1253	0.1320	-6.000E-03							
00101901	1.011E-04	9.703E-05	4.100E-06	6.888E-04	6.930E-04	-4.400E-06	0.1137	0.1260	-7.300E-03							
00101902	1.005E-04	9.503E-05	4.400E-06	7.194E-04	7.190E-04	-5.100E-06	0.1033	0.1040	-4.700E-03							
00101903	9.910E-05	9.503E-05	4.100E-06	7.094E-04	7.130E-04	-3.400E-06	0.1383	0.1600	-2.170E-02							
00101904	1.008E-04	9.903E-05	2.600E-06	6.602E-04	6.642E-04	-3.800E-06	0.1142	0.1250	-5.800E-03							
00101905	9.930E-05	9.503E-05	4.300E-06	6.602E-04	6.640E-04	-5.100E-06	0.1104	0.1160	-5.600E-03							
00101906	9.963E-05	9.503E-05	4.400E-06	6.422E-04	6.470E-04	-4.800E-06	0.1017	0.1070	-5.300E-03							
00101907	1.062E-04	1.042E-04	2.700E-06	7.707E-04	7.750E-04	-4.300E-06	0.1569	0.1350	-2.810E-02							
00101908	1.000E-04	1.000E-04	9.900E-07	6.661E-04	6.693E-04	-2.900E-06	0.1119	0.1160	-4.100E-03							
00101909	9.950E-05	9.503E-05	3.000E-06	6.479E-04	6.520E-04	-5.100E-06	9.120E-02	9.500E-02	-3.800E-03							
00101910	9.950E-05	9.503E-05	4.500E-06	6.781E-04	6.830E-04	-4.900E-06	0.1246	0.1320	-7.400E-03							
00101911	1.003E-04	9.603E-05	4.300E-06	6.669E-04	6.700E-04	-4.100E-06	8.370E-02	9.700E-02	-3.300E-03							
00101912	1.004E-04	9.603E-05	4.500E-06	6.611E-04	6.650E-04	-3.900E-06	0.1059	0.1110	-5.200E-03							
00101913	1.039E-04	9.700E-05	6.800E-06	7.073E-04	7.140E-04	-7.000E-06	0.1252	0.1370	-1.080E-02							
00101914	9.763E-05	9.503E-05	4.300E-06	6.629E-04	6.680E-04	-5.200E-06	0.1158	0.1220	-6.200E-03							
00101915	1.021E-04	9.900E-05	3.100E-06	7.024E-04	7.070E-04	-4.600E-06	0.1101	0.1150	-4.900E-03							
00101916	1.021E-04	9.900E-05	4.000E-06	6.979E-04	7.030E-04	-5.200E-06	0.1335	0.1430	-9.400E-03							
00101917	1.022E-04	9.900E-05	4.200E-06	7.051E-04	7.100E-04	-5.900E-06	0.1246	0.1330	-8.400E-03							
00101918	1.077E-04	1.050E-04	2.500E-06	7.123E-04	7.192E-04	-5.700E-06	0.1105	0.1170	-6.400E-03							
00101919	9.763E-05	9.503E-05	2.300E-06	6.408E-04	6.450E-04	-3.600E-06	0.1104	0.1160	-5.600E-03							
00101920	9.923E-05	9.503E-05	4.200E-06	6.878E-04	6.930E-04	-5.200E-06	0.1429	0.1560	-1.312E-02							
00101921	1.031E-04	9.503E-05	2.900E-06	6.618E-04	6.650E-04	-4.100E-06	9.650E-02	0.1010	-4.500E-03							
00101922	1.031E-04	9.503E-05	5.100E-06	7.218E-04	7.230E-04	-6.200E-06	0.1524	0.1730	-2.020E-02							
00101923	1.012E-04	9.603E-05	4.700E-06	7.115E-04	7.160E-04	-4.500E-06	0.1101	0.1150	-4.600E-03							
00101924	9.903E-05	9.503E-05	4.200E-06	6.570E-04	6.600E-04	-2.100E-06	9.950E-02	0.1010	-1.500E-03							
00101925	9.503E-05	9.503E-05	7.000E-07	6.494E-04	6.520E-04	-2.400E-06	9.360E-02	9.500E-02	-1.400E-03							
00101926	9.723E-05	9.403E-05	3.200E-06	6.762E-04	6.820E-04	-5.300E-06	0.1213	0.1270	-5.200E-03							
00101927	9.853E-05	9.503E-05	3.200E-06	6.783E-04	6.830E-04	-4.700E-06	0.1204	0.1260	-5.400E-03							
00102245	9.393E-05	9.103E-05	2.900E-06	6.530E-04	6.570E-04	-4.000E-06	0.1105	0.1160	-5.400E-03							
00102346	9.843E-05	9.503E-05	3.700E-06	6.428E-04	6.470E-04	-4.200E-06	0.1034	0.1070	-3.600E-03							
00102347	9.870E-05	9.503E-05	3.700E-06	6.648E-04	6.700E-04	-3.600E-06	0.1115	0.1170	-5.700E-03							
00102348	1.000E-04	9.500E-05	5.300E-06	6.740E-04	6.810E-04	-6.300E-06	0.1212	0.1280	-6.900E-03							
00102349	1.012E-04	9.703E-05	4.200E-06	6.718E-04	6.810E-04	-3.900E-06	6.700E-02	6.900E-02	-2.000E-03							
00102350	1.039E-04	1.010E-04	2.900E-06	7.144E-04	7.190E-04	-4.700E-06	0.1033	0.1040	-3.700E-03							
00102351	1.047E-04	1.033E-04	1.700E-06	7.061E-04	7.110E-04	-4.900E-06	9.610E-02	0.1000	-3.900E-03							
00102352	9.553E-05	9.203E-05	2.500E-06	6.685E-04	6.730E-04	-4.600E-06	0.1258	0.1320	-6.200E-03							
00102353	1.012E-04	1.010E-04	2.900E-06	7.643E-04	7.690E-04	-3.700E-06	0.1021	0.1090	-6.900E-03							
00102354	9.603E-05	9.303E-05	2.900E-06	6.584E-04	6.620E-04	-3.400E-06	8.050E-02	9.300E-02	-2.100E-03							
00102355	1.008E-04	9.703E-05	3.400E-06	6.668E-04	6.710E-04	-4.100E-06	7.480E-02	7.750E-02	-2.800E-03							
00102356	9.453E-05	9.403E-05	4.500E-06	7.208E-04	7.250E-04	-6.200E-06	0.1524	0.1700	-1.720E-02							
00102357	9.603E-05	9.403E-05	3.900E-06	6.718E-04	6.760E-04	-3.600E-06	7.040E-02	9.000E-02	-6.000E-04							
00102358	9.610E-05	9.403E-05	4.100E-06	6.673E-04	6.720E-04	-5.700E-06	0.1183	0.1250	-6.700E-03							

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

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27-10332

SC2210

DOUBLE GATE

FILE NAME: SC221049

TITLE: DEVICES: DOUBLE GATE

FILE NAME: SC221049	10	11	12	13	14	15	16	17	18
SERIAL	1967	1975	DELTA	1967	1975	DELTA	1967	1975	DELTA
	V (ML)	V (ML)	V (ML)	V (ML)	V (ML)	V (ML)	V (ML)	V (ML)	V (ML)
	(6-1)	(6-1)	(6-1)	(7-1)	(7-1)	(7-1)	(8)	(8)	(8)
00100386	0.1059	0.1040	-2.100E-03	0.1091	0.1100	-1.900E-03	3.003E-07	1.500E-06	-1.200E-06
00100441	0.1132	0.1160	-2.800E-03	0.1067	0.1099	-2.300E-03	3.003E-07	1.500E-06	-1.200E-06
00100442	0.1083	0.1110	-2.700E-03	0.1064	0.1103	-3.600E-03	3.003E-07	1.500E-06	-1.200E-06
00100443	0.1037	0.1050	-1.300E-03	0.1045	0.1060	-1.500E-03	3.003E-07	1.500E-06	-1.200E-06
00100444	0.1085	0.1110	-2.500E-03	9.280E-02	9.303E-02	-2.000E-04	3.003E-07	1.500E-06	-1.200E-06
00100445	9.720E-02	9.803E-02	-8.000E-04	0.1154	0.1160	-3.600E-03	3.003E-07	1.500E-06	-1.200E-06
00100446	0.1057	0.1070	-1.800E-03	2.1319	0.1032	-1.200E-03	3.003E-07	1.500E-06	-1.200E-06
00100447	0.1098	0.1130	-3.200E-03	9.930E-02	0.1020	-2.700E-03	3.003E-07	1.500E-06	-1.200E-06
00100448	9.860E-02	0.1000	-1.400E-03	0.1052	0.1080	-2.900E-03	3.003E-07	1.500E-06	-1.200E-06
00100449	0.1142	0.1160	-1.800E-03	0.1120	0.1140	-2.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100450	9.910E-02	0.1010	-1.900E-03	9.860E-02	0.1011	-2.400E-03	3.003E-07	1.500E-06	-1.200E-06
00100451	9.750E-02	9.703E-02	5.000E-04	0.1021	0.1040	-1.900E-03	3.003E-07	1.500E-06	-1.200E-06
00100452	9.620E-02	9.605E-02	2.000E-04	0.1008	0.1030	-2.700E-03	3.003E-07	1.500E-06	-1.200E-06
00100453	8.510E-02	8.503E-02	1.000E-04	9.930E-02	9.103E-02	-2.900E-03	3.003E-07	1.500E-06	-1.200E-06
00100454	0.1023	0.1050	-2.700E-03	0.1022	0.1050	-2.900E-03	3.003E-07	1.500E-06	-1.200E-06
00100455	9.320E-02	9.403E-02	-8.000E-04	9.770E-02	0.1000	-2.400E-03	3.003E-07	1.500E-06	-1.200E-06
00100456	9.950E-02	9.903E-02	5.000E-04	9.360E-02	9.403E-02	-4.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100457	0.1125	0.1150	-2.500E-03	3.1128	0.1150	-2.700E-03	3.003E-07	1.500E-06	-1.200E-06
00100458	0.1055	0.1080	-2.500E-03	9.900E-02	0.1000	-2.700E-03	3.003E-07	1.500E-06	-1.200E-06
00100513	9.190E-02	9.203E-02	-9.000E-03	9.140E-02	9.100E-02	-4.000E-04	3.003E-07	1.500E-06	-1.200E-06
00100514	9.550E-02	9.503E-02	5.000E-04	9.410E-02	9.603E-02	-1.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100515	0.1043	0.1050	-7.000E-04	0.1040	0.1080	-2.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100516	8.670E-02	8.603E-02	7.000E-04	9.270E-02	9.303E-02	-1.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100517	9.683E-02	9.703E-02	-2.000E-04	9.680E-02	9.700E-02	-2.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100518	0.1048	0.1060	-1.200E-03	0.1044	0.1080	-1.600E-03	3.003E-07	1.500E-06	-1.200E-06
00100519	8.790E-02	8.803E-02	-1.000E-04	8.120E-02	8.203E-02	-8.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100520	0.1146	0.1170	-2.400E-03	0.1153	0.1180	-2.700E-03	3.003E-07	1.500E-06	-1.200E-06
00100521	0.1104	0.1140	-3.600E-03	0.1029	0.1060	-1.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100522	9.480E-02	9.503E-02	-1.200E-03	9.460E-02	9.603E-02	-1.400E-03	3.003E-07	1.500E-06	-1.200E-06
00100523	9.670E-02	9.703E-02	-3.000E-04	9.880E-02	0.1010	-2.200E-03	3.003E-07	1.500E-06	-1.200E-06
00100524	9.710E-02	9.730E-02	-0.000E-04	0.1027	0.1060	-3.300E-03	3.003E-07	1.500E-06	-1.200E-06
00100525	0.1026	0.1050	-2.400E-03	0.1114	0.1160	-4.200E-03	3.003E-07	1.500E-06	-1.200E-06
00100526	0.1111	0.1140	-2.900E-03	0.1154	0.1190	-4.300E-03	3.003E-07	1.500E-06	-1.200E-06
00100527	0.1061	0.1080	-1.900E-03	0.1029	0.1060	-3.100E-03	3.003E-07	1.500E-06	-1.200E-06
00100528	0.1069	0.1090	-2.100E-03	0.1166	0.1210	-5.400E-03	3.003E-07	1.500E-06	-1.200E-06
00100529	0.1162	0.1200	-3.800E-03	0.1109	0.1140	-3.100E-03	3.003E-07	1.500E-06	-1.200E-06
00100530	8.780E-02	9.003E-02	-1.700E-03	9.810E-02	2.1010	-2.900E-03	3.003E-07	1.500E-06	-1.200E-06
00100535	9.460E-02	9.503E-02	-4.000E-04	9.490E-02	9.503E-02	-2.000E-04	3.003E-07	1.500E-06	-1.200E-06
00100536	9.480E-02	9.490E-02	-2.200E-03	9.320E-02	9.503E-02	-1.800E-03	3.003E-07	1.500E-06	-1.200E-06
00100537	0.1037	0.1060	-2.300E-03	0.1056	0.1090	-1.800E-03	3.003E-07	1.500E-06	-1.200E-06
00100538	9.240E-02	9.403E-02	-1.100E-03	9.590E-02	9.903E-02	-3.100E-03	3.003E-07	1.500E-06	-1.200E-06
00100539	9.410E-02	9.703E-02	-3.000E-04	0.1102	0.1130	-2.800E-03	3.003E-07	1.500E-06	-1.200E-06
00100540	0.1168	0.1210	-4.200E-03	0.1191	0.1250	-5.900E-03	3.003E-07	1.500E-06	-1.200E-06
00100541	8.650E-02	8.703E-02	-4.000E-04	8.320E-02	9.403E-02	-9.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100542	9.430E-02	9.490E-02	-7.000E-04	0.1067	0.1090	-1.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100543	9.570E-02	9.703E-02	-1.300E-03	0.1063	0.1110	-3.700E-03	3.003E-07	1.500E-06	-1.200E-06
00100544	9.460E-02	0.1010	-2.600E-03	0.1167	0.1210	-4.300E-03	3.003E-07	1.500E-06	-1.200E-06
00100545	0.1144	0.1190	-2.700E-03	0.1150	0.1190	-3.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100546	0.1102	0.1120	-1.800E-03	0.1150	0.1190	-3.000E-03	3.003E-07	1.500E-06	-1.200E-06
00100547	0.1069	0.1080	-2.100E-03	0.1029	0.1060	-1.000E-03	3.003E-07	1.500E-06	-1.200E-06

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210A9	TITLE: DEVICE: DOUBLE GATE	MOTOROLA PART NO.: SC2210				AGEING PART NO.: 27-13332				17 SEP 75	
SERIAL	10 V (OL) (A-1)	11 V (OL) (A-1)	12 DELTA V (OL) (A-1)	13 V (OL) (A-1)	14 V (OL) (A-1)	15 DELTA V (OL) (A-1)	16 V (OL) (A-1)	17 V (OL) (A-1)	18 DELTA V (OL) (A-1)		
00100598	8.220E-02	8.300E-02	-8.000E-04	8.470E-02	8.600E-02	-1.300E-03	3.000E-07	1.500E-06	-1.200E-06		
00100599	9.780E-02	9.700E-02	9.000E-04	9.680E-02	9.600E-02	8.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100600	9.440E-02	9.500E-02	-6.000E-04	0.103A	0.1050	-2.200E-03	3.000E-07	1.500E-06	-1.200E-06		
00100601	0.1115	0.1140	-2.500E-03	0.1091	0.1120	-2.500E-03	3.000E-07	1.500E-06	-1.200E-06		
00100602	9.610E-02	9.500E-02	1.100E-03	9.450E-02	9.400E-02	5.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100603	9.340E-02	9.300E-02	1.000E-04	9.140E-02	9.100E-02	4.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100604	0.1070	0.1040	-1.000E-03	0.1083	0.1110	-2.700E-03	3.000E-07	1.500E-06	-1.200E-06		
00100605	9.400E-02	9.500E-02	-1.000E-03	9.900E-02	0.1073	-3.000E-03	3.000E-07	1.500E-06	-1.200E-06		
00100606	9.670E-02	9.700E-02	-3.000E-04	0.1016	0.1040	-2.400E-03	3.000E-07	1.500E-06	-1.200E-06		
00100607	9.800E-02	0.1000	-1.200E-03	0.1009	0.1020	-1.100E-03	3.000E-07	1.500E-06	-1.200E-06		
00100608	9.150E-02	9.200E-02	-5.000E-04	8.830E-02	8.970E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100609	8.640E-02	8.600E-02	0.000E-04	9.040E-02	9.100E-02	-2.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100610	9.840E-02	0.1013	-2.100E-03	8.050E-02	8.000E-02	5.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100611	0.1112	0.1130	-1.800E-03	0.1111	0.1140	-2.900E-03	3.000E-07	1.500E-06	-1.200E-06		
00100612	9.800E-02	0.1000	-1.100E-03	9.870E-02	0.1000	-1.100E-03	3.000E-07	1.500E-06	-1.200E-06		
00100613	9.800E-02	0.1010	-2.100E-03	9.040E-02	9.100E-02	-2.200E-03	3.000E-07	1.500E-06	-1.200E-06		
00100614	9.700E-02	9.700E-02	-3.000E-04	9.870E-02	0.1007	-1.100E-03	3.000E-07	1.500E-06	-1.200E-06		
00100615	9.700E-02	9.700E-02	0.0	9.940E-02	0.1013	-1.100E-03	3.000E-07	1.500E-06	-1.200E-06		
00100616	9.120E-02	9.200E-02	-4.000E-04	0.1091	0.1140	-4.000E-03	3.000E-07	1.500E-06	-1.200E-06		
00100617	0.1017	0.1030	-1.300E-03	0.1017	0.1030	-1.300E-03	3.000E-07	1.500E-06	-1.200E-06		
00100618	9.190E-02	9.300E-02	-1.100E-03	9.720E-02	0.1003	-2.800E-03	3.000E-07	1.500E-06	-1.200E-06		
00100619	9.580E-02	9.700E-02	-1.200E-03	0.1113	0.1150	-4.000E-03	3.000E-07	1.500E-06	-1.200E-06		
00100620	8.130E-02	8.000E-02	1.300E-03	8.320E-02	8.400E-02	-9.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100621	0.1080	0.1100	-2.000E-03	0.1061	0.1090	-2.000E-03	3.000E-07	1.500E-06	-1.200E-06		
00100622	9.950E-02	0.1010	-1.500E-03	9.610E-02	9.700E-02	-2.700E-03	3.000E-07	1.500E-06	-1.200E-06		
00100623	9.1013	9.1030	-1.700E-03	9.630E-02	9.700E-02	-9.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100624	0.1084	0.1100	-1.400E-03	0.1114	0.1140	-2.600E-03	3.000E-07	1.500E-06	-1.200E-06		
00100625	0.1082	0.1110	-2.400E-03	0.1059	0.1120	-2.100E-03	3.000E-07	1.500E-06	-1.200E-06		
00100626	0.1040	0.1080	-2.000E-03	0.1006	0.1030	-2.400E-03	3.000E-07	1.500E-06	-1.200E-06		
00100627	0.1017	0.1070	-1.200E-03	0.1038	0.1050	-2.700E-03	3.000E-07	1.500E-06	-1.200E-06		
00100628	9.780E-02	9.900E-02	-1.200E-03	9.850E-02	9.900E-02	-5.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100629	9.730E-02	9.900E-02	-7.000E-04	9.810E-02	0.1000	-1.100E-03	3.000E-07	1.500E-06	-1.200E-06		
00100630	0.1087	0.1100	-1.300E-03	0.1086	0.1110	-2.400E-03	3.000E-07	1.500E-06	-1.200E-06		
00100631	0.1115	0.1150	-3.000E-03	0.1064	0.1100	-2.700E-03	3.000E-07	1.500E-06	-1.200E-06		
00100632	9.420E-02	9.400E-02	2.000E-04	9.550E-02	9.600E-02	-5.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100633	8.510E-02	8.500E-02	1.000E-04	8.810E-02	9.400E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100634	9.400E-02	9.600E-02	0.0	9.290E-02	9.300E-02	-9.000E-05	3.000E-07	1.500E-06	-1.200E-06		
00100635	0.1036	0.1050	-1.400E-03	0.1033	0.1050	-1.700E-03	3.000E-07	1.500E-06	-1.200E-06		
00100636	9.520E-02	9.600E-02	-8.000E-04	9.300E-02	9.400E-02	-1.000E-03	3.000E-07	1.500E-06	-1.200E-06		
00100637	0.1131	0.1160	-2.900E-03	0.1034	0.1060	-2.600E-03	3.000E-07	1.500E-06	-1.200E-06		
00100638	0.1009	0.1030	-2.100E-03	0.1038	0.1050	-2.700E-03	3.000E-07	1.500E-06	-1.200E-06		
00100639	0.1115	0.1140	-2.500E-03	0.1140	0.1170	-3.000E-03	3.000E-07	1.500E-06	-1.200E-06		
00100640	9.860E-02	0.1010	-2.400E-03	9.940E-02	0.1020	-2.600E-03	3.000E-07	1.500E-06	-1.200E-06		
00100641	0.1034	0.1050	-1.200E-03	0.1120	0.1150	-3.000E-03	3.000E-07	1.500E-06	-1.200E-06		
00100642	9.430E-02	9.500E-02	-7.000E-04	8.650E-02	8.700E-02	-5.000E-04	3.000E-07	1.500E-06	-1.200E-06		
00100643	9.770E-02	9.900E-02	-1.300E-03	9.820E-02	9.900E-02	-1.400E-03	3.000E-07	1.500E-06	-1.200E-06		
00100644	0.1109	0.1130	-2.100E-03	0.1167	0.1190	-2.900E-03	3.000E-07	1.500E-06	-1.200E-06		

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210A		TITLE: DEVICE: DOUBLE GATE		WYOMING PART NO.: SC2210		GOEING PART NO.: 27-10332		17 SEP 75	
SERIAL	10	11	12	13	14	15	16	17	18
	V (M) (6-1)	V (M) (6-1)	V (M) (6-1)	V (M) (7-1)	V (M) (7-1)	V (M) (7-1)	V (M) (8)	V (M) (8)	DELTA F (L) (8)
00109911	0.1011	0.1030	-1.900E-03	0.1031	0.1070	-3.900E-03	8.300E-04	9.700E-06	-1.400E-06
00109912	9.530E-02	9.500E-02	3.000E-04	9.430E-02	9.500E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109913	0.1001	0.1010	-9.000E-04	0.1009	0.1030	-2.100E-03	3.000E-07	1.500E-06	-1.200E-06
00109914	9.580E-02	9.600E-02	-2.000E-04	0.1154	0.1190	-3.600E-03	3.000E-07	1.500E-06	-1.200E-06
00109915	9.130E-02	9.200E-02	-7.000E-04	9.100E-02	9.200E-02	-1.000E-03	3.000E-07	1.500E-06	-1.200E-06
00109916	0.1134	0.1150	-1.600E-03	0.1210	0.1270	-4.000E-03	3.000E-07	1.500E-06	-1.200E-06
00109917	9.710E-02	9.700E-02	1.000E-04	9.590E-02	9.700E-02	-1.100E-03	3.000E-07	1.500E-06	-1.200E-06
00109918	8.830E-02	8.900E-02	-7.000E-04	9.040E-02	9.200E-02	-1.400E-03	3.000E-07	1.500E-06	-1.200E-06
00109919	0.1094	0.1110	-1.600E-03	0.1005	0.1010	-5.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109920	9.790E-02	9.800E-02	-1.300E-04	9.720E-02	9.800E-02	-8.000E-04	1.000E-06	2.600E-06	-1.500E-06
00109921	0.1059	0.1070	-1.200E-03	0.1047	0.1070	-2.300E-03	3.000E-07	1.500E-06	-1.200E-06
00109922	0.1090	0.1102	-1.200E-03	0.1044	0.1090	-2.600E-03	3.000E-07	1.500E-06	-1.200E-06
00109923	9.740E-02	9.800E-02	-6.000E-04	0.1016	0.1010	-2.400E-03	3.000E-07	1.500E-06	-1.200E-06
00109924	0.1007	0.1030	-2.300E-03	9.180E-02	9.300E-02	-1.200E-03	3.000E-07	1.500E-06	-1.200E-06
00109925	9.240E-02	9.300E-02	-5.000E-04	9.180E-02	9.300E-02	-1.400E-03	3.000E-07	1.500E-06	-1.200E-06
00109926	9.740E-02	9.800E-02	-4.000E-04	9.550E-02	9.600E-02	-3.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109927	9.740E-02	9.800E-02	-6.000E-04	0.1202	0.1240	-3.800E-03	3.000E-07	1.500E-06	-1.200E-06
00109928	9.330E-02	9.300E-02	3.000E-04	9.540E-02	9.600E-02	-6.000E-04	5.000E-05	7.000E-06	-1.400E-06
00109929	9.700E-02	9.700E-02	-9.996E-05	8.570E-02	8.600E-02	-3.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109930	9.690E-02	9.700E-02	-3.000E-04	0.1107	0.1130	-2.300E-03	3.000E-07	1.500E-06	-1.200E-06
00109931	9.780E-02	9.800E-02	-1.200E-03	9.160E-02	9.200E-02	-4.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109932	0.1023	0.1040	-2.000E-03	0.1012	0.1030	-1.800E-03	3.000E-07	1.500E-06	-1.200E-06
00109933	9.420E-02	9.400E-02	2.000E-04	9.500E-02	9.600E-02	-1.000E-03	3.000E-07	1.500E-06	-1.200E-06
00109934	0.1009	0.1010	-2.000E-04	0.1018	0.1030	-1.200E-03	3.000E-07	1.500E-06	-1.200E-06
00109935	9.270E-02	9.200E-02	7.000E-04	9.430E-02	9.500E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109936	7.610E-02	7.600E-02	1.000E-04	7.090E-02	7.100E-02	-1.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109937	9.560E-02	9.600E-02	-4.000E-04	9.100E-02	9.200E-02	-1.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109938	9.020E-02	9.000E-02	1.200E-03	8.810E-02	8.800E-02	-6.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109939	6.780E-02	6.800E-02	-2.000E-04	6.850E-02	6.900E-02	-5.000E-04	0.0	1.500E-06	-1.200E-06
00109940	7.480E-02	7.500E-02	-2.000E-04	7.720E-02	7.800E-02	-8.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109941	6.570E-02	6.600E-02	-3.000E-04	6.570E-02	6.500E-02	-2.000E-04	4.000E-05	5.200E-06	-1.200E-06
00109942	7.240E-02	7.200E-02	4.000E-04	7.260E-02	7.300E-02	-4.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109943	9.380E-02	9.400E-02	-2.000E-04	9.180E-02	9.300E-02	-1.200E-03	3.000E-07	1.500E-06	-1.200E-06
00109944	6.250E-02	6.300E-02	-5.000E-04	6.780E-02	6.900E-02	-1.200E-03	3.000E-07	1.500E-06	-1.200E-06
00109945	7.200E-02	7.200E-02	0.0	7.600E-02	7.700E-02	-1.000E-03	0.0	1.500E-06	-1.200E-06
00109946	9.600E-02	9.600E-02	0.0	0.1319	0.1350	-3.200E-03	3.000E-07	1.500E-06	-1.200E-06
00109947	9.110E-02	9.200E-02	-9.000E-04	7.460E-02	7.600E-02	-1.100E-03	0.0	1.500E-06	-1.200E-06
00109948	7.420E-02	7.500E-02	2.000E-04	8.060E-02	8.000E-02	6.000E-04	2.000E-07	1.500E-06	-1.200E-06
00109949	7.340E-02	7.300E-02	4.000E-04	7.360E-02	7.400E-02	-3.000E-04	2.000E-07	1.500E-06	-1.200E-06
00109950	0.1027	0.1040	-1.300E-03	0.1254	0.1290	-3.600E-03	3.000E-07	1.500E-06	-1.200E-06
00109951	9.570E-02	9.600E-02	7.000E-04	8.480E-02	8.600E-02	-9.000E-04	2.000E-07	1.500E-06	-1.200E-06
00109952	8.430E-02	8.400E-02	3.000E-04	8.370E-02	8.400E-02	-3.000E-04	2.000E-07	1.500E-06	-1.200E-06
00109953	7.320E-02	7.300E-02	2.000E-04	5.930E-02	5.900E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109954	8.130E-02	8.200E-02	-7.000E-04	8.100E-02	8.200E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109955	6.870E-02	6.900E-02	-3.000E-04	6.830E-02	6.900E-02	-3.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109956	9.790E-02	9.800E-02	-1.000E-03	9.700E-02	9.800E-02	-1.000E-03	3.000E-07	1.500E-06	-1.200E-06
00109957	6.450E-02	6.500E-02	-1.400E-03	6.750E-02	6.800E-02	-1.500E-03	3.000E-07	1.500E-06	-1.200E-06
00109958	8.930E-02	9.000E-02	-7.000E-04	9.010E-02	9.100E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109959	9.700E-02	9.800E-02	-1.000E-03	9.700E-02	9.800E-02	-1.000E-03	3.000E-07	1.500E-06	-1.200E-06
00109960	8.930E-02	9.000E-02	-7.000E-04	9.010E-02	9.100E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109961	7.320E-02	7.300E-02	2.000E-04	7.300E-02	7.400E-02	-3.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109962	8.130E-02	8.200E-02	-7.000E-04	8.100E-02	8.200E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109963	6.870E-02	6.900E-02	-3.000E-04	6.830E-02	6.900E-02	-3.000E-04	3.000E-07	1.500E-06	-1.200E-06
00109964	9.790E-02	9.800E-02	-1.000E-03	9.700E-02	9.800E-02	-1.000E-03	3.000E-07	1.500E-06	-1.200E-06
00109965	6.450E-02	6.500E-02	-1.400E-03	6.750E-02	6.800E-02	-1.500E-03	3.000E-07	1.500E-06	-1.200E-06
00109966	8.930E-02	9.000E-02	-7.000E-04	9.010E-02	9.100E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210A		TITLE: DEVICE: DOUBLE GATE		MOTOROLA PART NO.: SC2210		BOEING PART NO.: 27-10332		17 SEP 75	
SERIAL	10	11	12	13	14	15	16	17	18
	V (OL) (6-1)	V (OL) (6-1)	V (OL) (6-1)	V (OL) (7-1)	V (OL) (7-1)	DELTA V (OL) (7-1)	I (L) (4)	I (L) (4)	DELTA I (L) (4)
00101239	6.940E-02	7.900E-02	-6.000E-04	7.220E-02	7.270E-02	2.000E-04	2.000E-07	1.700E-06	-1.500E-06
00101240	7.370E-02	7.300E-02	7.000E-04	7.510E-02	7.500E-02	9.994E-05	2.000E-07	1.500E-06	-1.500E-06
00101241	7.600E-02	7.500E-02	-1.000E-04	7.700E-02	7.700E-02	-1.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101242	8.940E-02	8.900E-02	-6.000E-04	9.400E-02	9.500E-02	-1.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101243	7.120E-02	7.100E-02	2.000E-04	7.110E-02	7.200E-02	-9.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101244	8.960E-02	9.200E-02	-6.000E-04	9.270E-02	9.400E-02	-1.300E-03	3.000E-07	1.500E-06	-1.500E-06
00101245	8.340E-02	8.300E-02	6.000E-04	7.920E-02	7.900E-02	2.000E-04	6.500E-06	7.000E-06	-1.400E-06
00101246	6.220E-02	6.200E-02	2.000E-04	6.740E-02	6.700E-02	4.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101247	7.700E-02	7.700E-02	3.000E-04	7.940E-02	7.900E-02	3.999E-04	2.000E-07	1.500E-06	-1.500E-06
00101248	7.450E-02	7.400E-02	-5.000E-04	7.360E-02	7.430E-02	-1.999E-04	0.0	1.500E-06	-1.500E-06
00101249	7.660E-02	7.700E-02	-5.000E-04	8.740E-02	8.800E-02	-6.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101250	6.850E-02	6.800E-02	5.000E-04	6.900E-02	7.000E-02	-1.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101251	8.020E-02	7.900E-02	1.000E-04	8.700E-02	8.700E-02	0.0	2.000E-07	1.500E-06	-1.500E-06
00101252	6.410E-02	6.400E-02	1.000E-04	6.120E-02	6.100E-02	2.000E-04	1.000E-07	1.500E-06	-1.500E-06
00101253	8.950E-02	9.000E-02	-5.000E-04	9.000E-02	9.100E-02	-9.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101254	7.270E-02	7.300E-02	-3.000E-04	7.240E-02	7.400E-02	-1.400E-04	2.000E-07	1.500E-06	-1.500E-06
00101255	8.300E-02	8.300E-02	6.000E-04	7.970E-02	7.900E-02	2.000E-04	1.600E-06	3.100E-06	-1.500E-06
00101256	9.900E-02	9.900E-02	-2.000E-03	9.900E-02	9.900E-02	-2.000E-03	1.000E-07	1.500E-06	-1.500E-06
00101257	9.300E-02	9.300E-02	0.0	9.340E-02	9.400E-02	-6.000E-04	1.000E-07	1.500E-06	-1.500E-06
00101258	7.600E-02	7.700E-02	-1.000E-03	7.300E-02	7.400E-02	-1.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101259	8.710E-02	8.800E-02	-1.000E-04	9.070E-02	9.100E-02	-3.000E-04	5.000E-06	7.200E-06	-1.500E-06
00101260	0.1024	0.1050	-2.600E-03	0.1038	0.1070	-3.200E-03	3.000E-07	1.500E-06	-1.500E-06
00101261	7.730E-02	7.700E-02	1.000E-04	7.820E-02	7.800E-02	2.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101262	9.900E-02	9.900E-02	-1.700E-03	9.870E-02	9.900E-02	-3.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101263	8.930E-02	8.900E-02	-7.000E-04	8.840E-02	8.700E-02	1.140E-03	3.000E-07	1.500E-06	-1.500E-06
00101264	9.460E-02	9.400E-02	6.000E-04	9.250E-02	9.300E-02	-5.000E-04	4.000E-06	5.500E-06	-1.500E-06
00101265	8.870E-02	8.900E-02	-3.000E-04	9.270E-02	9.500E-02	-2.300E-03	3.000E-07	1.500E-06	-1.500E-06
00101266	9.140E-02	9.500E-02	-1.300E-03	9.300E-02	9.600E-02	-3.000E-03	3.000E-07	1.500E-06	-1.500E-06
00101267	8.370E-02	8.400E-02	-3.000E-04	8.300E-02	8.600E-02	-3.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101268	7.820E-02	7.700E-02	-5.000E-04	7.800E-02	7.800E-02	0.0	3.000E-07	1.500E-06	-1.500E-06
00101269	9.110E-02	9.100E-02	1.000E-04	9.240E-02	9.300E-02	-6.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101270	8.520E-02	8.500E-02	2.000E-04	8.940E-02	8.900E-02	4.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101271	6.400E-02	6.500E-02	0.0	6.790E-02	6.800E-02	-1.000E-04	1.000E-06	2.600E-06	-1.400E-06
00101272	0.1003	0.1020	-1.700E-03	0.1003	0.1020	-1.700E-03	3.000E-07	1.500E-06	-1.500E-06
00101273	9.460E-02	9.500E-02	-6.000E-04	9.270E-02	9.400E-02	-1.300E-03	3.000E-07	1.500E-06	-1.500E-06
00101274	7.650E-02	7.600E-02	5.000E-04	8.760E-02	8.800E-02	-3.999E-04	2.000E-07	1.500E-06	-1.500E-06
00101275	9.940E-02	9.900E-02	-2.500E-03	0.1078	0.1050	-2.200E-03	3.000E-07	1.500E-06	-1.500E-06
00101276	6.560E-02	6.600E-02	-5.000E-04	6.360E-02	6.100E-02	2.600E-03	2.000E-07	1.500E-06	-1.500E-06
00101277	7.790E-02	7.600E-02	-1.100E-03	8.810E-02	8.900E-02	-9.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101278	6.700E-02	6.700E-02	0.0	6.970E-02	6.900E-02	7.000E-03	3.000E-07	1.500E-06	-1.500E-06
00101279	8.850E-02	8.800E-02	5.000E-04	8.670E-02	8.700E-02	3.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101280	0.1017	0.1030	-1.300E-03	9.950E-02	9.100E-02	8.400E-03	3.000E-07	1.500E-06	-1.500E-06
00101281	8.930E-02	8.900E-02	-7.000E-04	9.230E-02	9.100E-02	1.300E-03	3.000E-07	1.500E-06	-1.500E-06
00101282	8.460E-02	8.500E-02	-1.400E-03	7.300E-02	7.300E-02	0.0	3.000E-07	1.500E-06	-1.500E-06
00101283	7.810E-02	7.700E-02	-7.000E-04	7.700E-02	7.700E-02	0.0	2.000E-07	1.500E-06	-1.500E-06
00101284	9.100E-02	9.100E-02	-1.000E-03	8.470E-02	8.400E-02	7.000E-03	3.000E-07	1.500E-06	-1.500E-06
00101285	8.100E-02	8.100E-02	-1.000E-03	7.100E-02	7.100E-02	0.0	0.0	1.500E-06	-1.500E-06
00101286	6.180E-02	6.100E-02	-1.600E-03	6.800E-02	6.800E-02	-1.000E-03	3.000E-07	1.500E-06	-1.500E-06
00101287	0.1014	0.1030	-9.000E-03	7.630E-02	7.700E-02	-7.000E-03	5.000E-07	1.500E-06	-1.500E-06
00101288	6.410E-02	6.500E-02	-9.000E-04	7.630E-02	7.700E-02	-7.000E-03	5.000E-07	1.500E-06	-1.500E-06

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME	SC2210A8	TITLE: DEVICE: DOUBLE GATE	NOTATION A SPT NO.: SC2210	MOEING PART NO.: 27-10332	17 SEP 75				
SERIAL	10 1967 V (C)	11 1975 V (C)	12 DELTA V (C)	13 1967 V (C)	14 1974 V (C)	15 DELTA V (C)	16 1967 I (C)	17 1975 I (C)	18 DELTA I (C)
	(6-1)	(6-1)	(6-1)	(7-1)	(7-1)	(7-1)	(8)	(8)	(9)
00101453	7.2705-02	7.2005-02	7.0005-04	7.3005-02	7.3005-02	0.0	0.0	1.5005-06	-1.5005-06
00101454	9.3305-02	9.5005-02	-1.7005-03	9.4505-02	9.7005-02	-2.5005-03	3.0005-07	1.5005-06	-1.5005-06
00101455	8.2705-02	8.3005-02	-3.0005-04	8.7005-02	8.2005-02	0.0	2.0005-07	1.5005-06	-1.5005-06
00101456	7.6605-02	7.7005-02	-4.0005-04	6.7805-02	6.8005-02	-2.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101457	7.1705-02	7.2005-02	-3.0005-04	6.5105-02	6.6005-02	-8.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101458	6.0805-02	6.1005-02	-2.0005-04	7.3205-02	7.4005-02	-8.0005-04	0.0	1.5005-06	-1.5005-06
00101459	7.4005-02	7.4005-02	0.0	7.1005-02	7.1005-02	0.0	0.0	1.5005-06	-1.5005-06
00101460	7.2305-02	7.2005-02	3.0005-04	7.2605-02	7.3005-02	-4.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101461	5.6105-02	5.6005-02	1.0005-04	7.4505-02	7.5005-02	-5.0005-04	9.0005-07	2.0005-06	-1.7005-06
00101462	7.7905-02	7.8005-02	-9.0005-04	7.6805-02	7.7005-02	-2.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101463	9.5805-02	9.6005-02	-2.0005-04	9.7605-02	9.8005-02	-1.4005-03	3.0005-07	1.5005-06	-1.5005-06
00101464	7.6605-02	7.6005-02	-4.0005-04	7.8305-02	7.9005-02	-7.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101465	7.8705-02	7.9005-02	-3.0005-04	8.4405-02	8.4005-02	-1.4005-04	3.0005-07	1.5005-06	-1.5005-06
00101466	7.0005-02	7.0005-02	0.0	6.8505-02	6.9005-02	-5.0005-04	3.0005-07	1.5005-06	-1.5005-06
00101467	7.3805-02	7.4005-02	-2.0005-04	7.4005-02	7.4005-02	-1.1005-03	3.0005-07	1.5005-06	-1.5005-06
00101468	7.4605-02	7.4005-02	6.0005-04	7.6305-02	7.6305-02	3.0005-04	0.0	1.5005-06	-1.5005-06
00101469	6.5905-02	6.5005-02	-4.0005-04	7.3505-02	7.4005-02	-5.0005-04	0.0	1.5005-06	-1.5005-06
00101470	8.5705-02	8.5005-02	1.0005-04	8.1405-02	8.1005-02	-4.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101471	7.5505-02	7.5005-02	5.0005-04	7.6505-02	7.7005-02	-5.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101472	6.8005-02	6.8005-02	1.0005-04	6.9305-02	7.0005-02	-7.0005-04	0.0	1.5005-06	-1.5005-06
00101473	7.4905-02	7.5005-02	-1.0005-04	6.8305-02	6.7005-02	-7.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101474	8.0105-02	7.9005-02	1.1005-04	7.7005-02	7.7005-02	0.0	8.0005-07	2.0005-06	-1.4005-06
00101475	8.3205-02	8.3005-02	1.0005-04	7.3405-02	7.3005-02	-4.0005-04	0.0	1.5005-06	-1.5005-06
00101476	7.8105-02	7.8005-02	1.0005-04	7.6605-02	7.7005-02	-4.0005-04	7.0005-06	1.5005-06	-1.5005-06
00101477	0.1015	0.1030	-1.5005-03	0.3905-02	0.3905-02	-1.0005-04	0.0	1.5005-06	-1.5005-06
00101478	7.6205-02	7.6005-02	-2.0005-04	7.6605-02	7.7005-02	-4.0005-04	3.0005-07	1.5005-06	-1.5005-06
00101479	9.1905-02	9.2005-02	-9.0005-05	9.4405-02	9.5005-02	-6.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101480	9.6505-02	9.6005-02	-1.5005-03	0.1010	0.1050	-4.0005-04	3.0005-07	1.5005-06	-1.5005-06
00101481	7.5705-02	7.7005-02	-1.5005-03	7.6605-02	7.8005-02	-1.4005-03	2.0005-07	1.5005-06	-1.5005-06
00101482	0.1012	0.1030	-1.8005-03	0.1030	0.1060	-3.0005-03	3.0005-07	1.5005-06	-1.5005-06
00101483	7.9105-02	7.9005-02	9.9765-05	7.9005-02	8.0005-02	-1.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101484	7.5705-02	7.7005-02	-3.0005-04	7.9105-02	8.0005-02	-9.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101485	7.3305-02	7.6005-02	-7.0005-04	7.4705-02	7.5005-02	-1.3005-04	2.0005-07	1.5005-06	-1.5005-06
00101486	7.4305-02	7.5005-02	-7.0005-04	7.4505-02	7.5005-02	-1.5005-04	2.0005-07	1.5005-06	-1.5005-06
00101487	6.4905-02	6.5005-02	-1.0005-04	6.6105-02	6.6005-02	-9.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101488	7.1205-02	7.8005-02	-8.0005-04	8.4005-02	8.6005-02	-1.7005-03	2.0005-07	1.5005-06	-1.5005-06
00101489	7.1205-02	7.2005-02	-8.0005-04	7.7405-02	7.9005-02	-1.6005-03	2.0005-07	1.5005-06	-1.5005-06
00101490	7.1205-02	7.9005-02	-8.0005-04	7.9005-02	7.9005-02	-2.0005-03	2.0005-07	1.5005-06	-1.5005-06
00101491	5.6005-02	5.6005-02	0.0	5.7905-02	5.9005-02	-1.1005-04	4.0005-06	1.5005-06	-1.5005-06
00101492	7.2205-02	7.7005-02	-2.0005-04	7.3005-02	7.4005-02	-1.0005-03	2.0005-07	1.5005-06	-1.5005-06
00101493	7.6305-02	7.7005-02	-3.0005-04	7.8005-02	7.8005-02	-1.7005-04	3.0005-07	1.5005-06	-1.5005-06
00101494	5.3305-02	5.3005-02	3.0005-04	6.9305-02	7.1005-02	-1.7005-04	0.0	1.5005-06	-1.5005-06
00101495	6.9705-02	6.9005-02	-6.0005-04	7.3005-02	7.3005-02	-2.0005-04	2.0005-07	1.5005-06	-1.5005-06
00101496	5.6105-02	5.6005-02	1.0005-04	6.9905-02	7.2005-02	-2.0005-04	5.0005-06	1.5005-06	-1.5005-06
00101497	7.3105-02	7.6005-02	-9.0005-04	7.0505-02	7.1005-02	-5.0005-04	0.0	1.5005-06	-1.5005-06
00101498	5.9605-02	6.0005-02	-4.0005-04	6.1105-02	6.2005-02	-9.0005-04	0.0	1.5005-06	-1.5005-06
00101499	7.5405-02	7.5005-02	-6.3005-04	8.1705-02	8.1005-02	-1.3005-03	2.0005-07	1.5005-06	-1.5005-06

TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210A8		TITLE: DEVICE: DOUBLE GATE		MOTOROLA PART NO.: SC2210		HONEYWELL PART NO.: 27-10332		17 SEP 75	
SERIAL	10 1967 V (FL) (6-1)	11 1975 V (FL) (6-1)	12 DELTA V (FL) (6-1)	13 1967 V (FL) (7-1)	14 1975 V (FL) (7-1)	15 DELTA V (FL) (7-1)	16 1967 I (A) (8)	17 1975 I (A) (8)	18 DELTA I (A) (8)
00101669	7.270E-02	7.300E-02	-3.000E-04	7.190E-02	7.200E-02	-1.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101670	7.200E-02	7.400E-02	-8.000E-04	7.400E-02	7.400E-02	-6.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101671	9.300E-02	9.400E-02	-5.000E-04	9.100E-02	9.100E-02	-4.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101672	9.300E-02	9.300E-02	-2.000E-03	9.100E-02	9.100E-02	-2.400E-03	2.000E-07	1.500E-06	-1.500E-06
00101673	7.200E-02	7.300E-02	-1.000E-03	6.800E-02	6.800E-02	-1.200E-03	2.000E-07	1.500E-06	-1.500E-06
00101674	8.600E-02	8.700E-02	-0.900E-03	8.600E-02	8.600E-02	-1.200E-03	3.000E-07	1.500E-06	-1.500E-06
00101675	9.300E-02	9.400E-02	-1.200E-03	9.200E-02	9.200E-02	-1.400E-03	2.000E-07	1.500E-06	-1.500E-06
00101676	0.1042	0.1060	-1.800E-03	0.1033	0.1042	-2.700E-03	3.000E-07	1.500E-06	-1.500E-06
00101677	8.400E-02	8.400E-02	-7.000E-04	8.070E-02	8.000E-02	-7.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101678	5.710E-02	5.700E-02	-1.000E-04	5.710E-02	5.700E-02	-1.000E-04	4.000E-07	1.500E-06	-1.500E-06
00101679	9.740E-02	9.400E-02	-1.600E-03	8.500E-02	8.600E-02	-8.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101681	7.610E-02	7.700E-02	-9.700E-04	9.270E-02	9.500E-02	-2.300E-03	7.000E-06	1.500E-06	-1.500E-06
00101735	0.1053	0.1170	-1.700E-03	0.1111	0.1143	-2.900E-03	1.000E-07	1.500E-06	-1.500E-06
00101737	8.420E-02	8.600E-02	-2.000E-04	8.740E-02	8.800E-02	-7.000E-04	1.000E-07	1.500E-06	-1.500E-06
00101738	8.080E-02	8.300E-02	-8.000E-04	8.740E-02	8.400E-02	-4.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101739	0.1021	0.1140	-1.900E-03	8.650E-02	8.700E-02	-5.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101740	8.610E-02	8.600E-02	-1.000E-04	9.070E-02	9.100E-02	-3.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101741	8.430E-02	8.500E-02	-1.400E-03	0.1035	0.1063	-4.500E-03	4.000E-07	1.500E-06	-1.500E-06
00101742	0.1040	0.1090	-2.700E-03	9.700E-02	9.700E-02	-2.900E-03	3.000E-07	1.500E-06	-1.500E-06
00101743	0.1054	0.1180	-2.600E-03	9.700E-02	9.700E-02	-4.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101744	8.430E-02	8.400E-02	-5.000E-04	9.850E-02	9.850E-02	-1.500E-03	3.000E-07	1.500E-06	-1.500E-06
00101745	9.100E-02	9.100E-02	-9.000E-04	0.1036	0.1030	-2.400E-03	3.000E-07	1.500E-06	-1.500E-06
00101747	9.630E-02	0.1110	-1.400E-03	0.1036	0.1030	-2.400E-03	3.000E-07	1.500E-06	-1.500E-06
00101748	9.230E-02	0.1000	-1.800E-03	0.1033	0.1033	-2.700E-03	3.000E-07	1.500E-06	-1.500E-06
00101749	8.330E-02	8.200E-02	-1.000E-03	9.530E-02	9.500E-02	-3.000E-04	2.000E-06	1.500E-06	-1.500E-06
00101750	9.700E-02	9.600E-02	-1.700E-03	9.710E-02	9.700E-02	-1.200E-04	3.000E-07	1.500E-06	-1.500E-06
00101751	0.1047	0.1060	-1.300E-03	9.860E-02	9.800E-02	-6.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101752	9.580E-02	9.600E-02	-2.000E-04	9.740E-02	9.400E-02	-4.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101753	0.1268	0.1290	-2.700E-03	0.1258	0.1250	-2.200E-03	3.000E-07	1.500E-06	-1.500E-06
00101754	0.1014	0.1030	-1.600E-03	0.1037	0.1030	-1.300E-03	3.000E-07	1.500E-06	-1.500E-06
00101757	8.770E-02	8.400E-02	-3.000E-04	8.710E-02	8.300E-02	-1.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101810	0.1137	0.1210	-2.800E-03	0.1037	0.1030	-2.800E-03	3.000E-07	1.500E-06	-1.500E-06
00101811	8.750E-02	8.800E-02	-5.000E-04	8.040E-02	8.000E-02	-6.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101812	9.140E-02	9.400E-02	-2.000E-04	9.810E-02	9.800E-02	-1.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101813	9.140E-02	9.300E-02	-8.000E-04	9.870E-02	9.800E-02	-2.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101814	8.390E-02	8.300E-02	-9.000E-04	8.470E-02	8.500E-02	-3.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101815	9.810E-02	9.810E-02	-1.900E-03	9.800E-02	9.810E-02	-1.000E-03	3.000E-07	1.500E-06	-1.500E-06
00101816	9.810E-02	0.1300	-1.400E-03	9.820E-02	0.1300	-1.800E-03	3.000E-07	1.500E-06	-1.500E-06
00101817	9.130E-02	9.100E-02	-3.000E-04	8.650E-02	8.600E-02	-5.000E-04	6.000E-07	1.500E-06	-1.500E-06
00101818	9.420E-02	9.700E-02	-3.000E-03	9.190E-02	9.500E-02	-3.100E-03	3.000E-07	1.500E-06	-1.500E-06
00101820	9.760E-02	9.500E-02	-2.600E-03	9.760E-02	9.700E-02	-1.400E-03	3.000E-07	1.500E-06	-1.500E-06
00101821	8.760E-02	8.760E-02	-3.900E-04	8.730E-02	8.700E-02	-7.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101822	8.600E-02	7.100E-02	-1.100E-03	8.650E-02	7.000E-02	-5.000E-03	2.000E-07	1.500E-06	-1.500E-06
00101823	6.910E-02	6.500E-02	-9.000E-04	7.940E-02	8.100E-02	-2.000E-03	2.000E-07	1.500E-06	-1.500E-06
00101824	7.800E-02	7.900E-02	-1.000E-04	7.920E-02	7.900E-02	-2.000E-04	2.000E-07	1.500E-06	-1.500E-06
00101825	9.740E-02	9.800E-02	-6.000E-03	9.700E-02	9.700E-02	-1.000E-03	3.000E-07	1.500E-06	-1.500E-06
00101840	6.900E-02	6.800E-02	-1.000E-03	7.920E-02	7.000E-02	-2.000E-04	3.000E-07	1.500E-06	-1.500E-06
00101891	0.1340	0.1360	-2.000E-03	0.1354	0.1360	-4.000E-03	3.000E-07	1.500E-06	-1.500E-06
00101902	7.430E-02	7.500E-02	-7.000E-04	7.160E-02	7.200E-02	-4.000E-04	3.000E-07	1.500E-06	-1.500E-06

D256-10062-2

TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

27-10332

GOETING PART NO.: 27-10332

SC2210

DELTA

1975

1967

1975

DELTA

1975

FILE NAME: SC2210AR	TITLE: DEVICE: DOUBLE GATE	10	11	12	13	14	15	16	17	18
SERIAL	V (V)	V (V)	V (V)	V (V)	V (V)	V (V)	V (V)	V (V)	V (V)	V (V)
	(6-1)	(6-1)	(6-1)	(7-1)	(7-1)	(7-1)	(7-1)	(8)	(8)	(8)
00101983	9.910E-02	0.1010	-1.900E-03	9.860E-02	0.1010	-2.400E-03	3.000E-07	1.500E-06	-1.200E-06	
00101984	0.1043	0.1060	-1.700E-03	0.1047	0.1110	-2.800E-03	1.500E-07	1.500E-06	-1.200E-06	
00101985	6.740E-02	6.800E-02	-4.000E-04	6.450E-02	6.500E-02	-5.000E-04	2.000E-07	1.500E-06	-1.300E-06	
00101986	0.1051	0.1080	-2.900E-03	0.1033	0.1030	-2.700E-03	1.100E-06	2.600E-06	-1.500E-06	
00101987	0.1002	0.1010	-8.000E-04	9.540E-02	9.600E-02	-6.000E-04	1.000E-07	1.500E-06	-1.200E-06	
00101988	9.013E-02	9.100E-02	-9.000E-04	8.860E-02	8.900E-02	-4.000E-04	1.500E-06	3.300E-06	-1.600E-06	
00101989	9.640E-02	9.000E-02	-4.000E-04	9.220E-02	9.400E-02	-1.800E-03	1.000E-07	1.500E-06	-1.200E-06	
00101990	0.1011	0.1020	-9.000E-04	0.1028	0.1030	-2.200E-03	1.000E-07	1.500E-06	-1.200E-06	
00101991	9.520E-02	9.600E-02	-8.000E-04	7.730E-02	7.800E-02	-7.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101992	8.510E-02	8.500E-02	-1.000E-04	8.560E-02	8.600E-02	-4.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101993	9.060E-02	0.1030	-3.400E-03	8.100E-02	8.200E-02	-1.000E-03	2.500E-06	3.900E-06	-1.400E-06	
00101994	9.630E-02	9.700E-02	-7.000E-04	8.810E-02	8.900E-02	-9.000E-04	1.000E-07	1.500E-06	-1.200E-06	
00101995	9.040E-02	9.100E-02	-5.000E-04	8.640E-02	8.700E-02	-6.000E-04	1.000E-07	1.500E-06	-1.200E-06	
00101996	8.320E-02	8.300E-02	-2.000E-04	8.410E-02	8.500E-02	-9.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101997	0.1137	0.1170	-3.300E-03	8.990E-02	9.100E-02	-1.100E-03	1.300E-06	2.600E-06	-1.300E-06	
00101998	9.070E-02	9.000E-02	-7.000E-04	8.200E-02	8.300E-02	-5.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101999	7.360E-02	7.600E-02	-3.900E-04	7.650E-02	7.700E-02	-5.000E-04	0.0	1.500E-06	-1.200E-06	
00101954	9.980E-02	0.1010	-1.200E-03	9.910E-02	0.1000	-1.600E-03	3.000E-07	1.500E-06	-1.200E-06	
00101955	6.780E-02	6.800E-02	-2.000E-04	6.570E-02	6.600E-02	-3.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101956	8.720E-02	8.700E-02	-2.300E-04	8.860E-02	8.900E-02	-2.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101957	0.1015	0.1060	-2.500E-03	9.910E-02	0.1010	-2.800E-03	1.100E-06	2.600E-06	-1.500E-06	
00101958	9.640E-02	9.500E-02	-6.300E-04	9.940E-02	9.700E-02	-6.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101959	9.000E-02	9.000E-02	0.0	9.500E-02	9.600E-02	-2.600E-03	3.000E-07	1.500E-06	-1.200E-06	
00101960	0.1070	0.1020	-2.000E-03	0.1164	0.1190	-2.600E-03	3.000E-07	1.500E-06	-1.200E-06	
00101961	9.940E-02	0.1070	-2.600E-03	9.750E-02	0.1000	-2.800E-03	3.000E-07	1.500E-06	-1.200E-06	
00101962	9.980E-02	9.100E-02	-1.300E-03	8.450E-02	8.600E-02	-1.500E-03	3.000E-07	1.500E-06	-1.200E-06	
00101963	8.730E-02	8.900E-02	-7.000E-04	8.370E-02	8.500E-02	-1.300E-03	2.000E-07	1.500E-06	-1.200E-06	
00101964	0.1103	0.1130	-2.700E-03	0.1107	0.1150	-4.300E-03	3.000E-07	1.500E-06	-1.200E-06	
00101965	7.710E-02	7.700E-02	-1.000E-04	7.900E-02	7.900E-02	-2.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00101966	0.1160	0.1190	-3.000E-03	0.1119	0.1180	-3.100E-03	3.000E-07	1.500E-06	-1.200E-06	
00101967	9.040E-02	9.000E-02	-4.000E-04	9.990E-02	0.1020	-2.100E-03	3.000E-07	1.500E-06	-1.200E-06	
00101968	0.1214	0.1250	-3.800E-03	0.1194	0.1230	-3.500E-03	3.000E-07	1.500E-06	-1.200E-06	
00101969	9.270E-02	8.200E-02	-2.000E-04	8.450E-02	8.500E-02	-5.000E-04	9.000E-07	2.600E-06	-1.700E-06	
00102042	9.500E-02	7.500E-02	0.0	7.770E-02	0.1070	-2.700E-03	0.0	1.500E-06	-1.200E-06	
00102043	9.850E-02	0.1000	-1.500E-03	0.1243	0.1270	-2.700E-03	3.000E-07	1.500E-06	-1.200E-06	
00102044	9.710E-02	9.800E-02	-9.000E-04	0.1027	0.1050	-2.800E-03	3.000E-07	1.500E-06	-1.200E-06	
00102045	9.790E-02	8.900E-02	-1.100E-03	9.330E-02	9.500E-02	-1.700E-03	2.000E-07	1.500E-06	-1.200E-06	
00102046	8.450E-02	8.600E-02	-5.000E-04	8.400E-02	8.400E-02	-4.000E-04	9.000E-07	2.600E-06	-1.700E-06	
00102047	9.080E-02	9.100E-02	-2.000E-04	9.220E-02	9.300E-02	-8.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00102048	9.900E-02	0.1000	-2.000E-03	9.680E-02	9.700E-02	-1.500E-03	3.000E-07	1.500E-06	-1.200E-06	
00102049	9.520E-02	5.500E-02	-2.000E-04	5.450E-02	5.400E-02	-5.000E-04	0.0	1.500E-06	-1.200E-06	
00102050	8.240E-02	8.200E-02	-4.000E-04	9.090E-02	9.000E-02	-4.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00102051	7.970E-02	7.900E-02	-7.500E-04	8.120E-02	8.200E-02	-4.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00102052	0.1011	0.1030	-1.700E-03	0.1104	0.1130	-2.600E-03	3.000E-07	1.500E-06	-1.200E-06	
00102053	0.0105	8.000E-02	-1.000E-04	7.910E-02	7.900E-02	-9.990E-03	3.000E-07	1.500E-06	-1.200E-06	
00102054	5.410E-02	5.600E-02	-9.990E-04	6.820E-02	6.900E-02	-2.000E-04	0.0	1.500E-06	-1.200E-06	
00102055	5.140E-02	6.110E-02	-4.000E-04	6.450E-02	6.500E-02	-5.000E-04	3.000E-07	1.500E-06	-1.200E-06	
00102056	0.1151	0.1180	-2.900E-03	0.1158	0.1190	-3.200E-03	3.000E-07	1.500E-06	-1.200E-06	
00102057	5.460E-02	6.500E-02	-4.000E-04	7.930E-02	7.900E-02	-9.990E-03	3.000E-07	1.500E-06	-1.200E-06	
00102058	9.670E-02	9.700E-02	-3.000E-04	0.1317	0.1370	-2.700E-03	3.000E-07	1.500E-06	-1.200E-06	

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210AB TITLE: DEVICE: DOUBLE GATE MOTOROLA PART NO.: SC2210 SAGEING PART NO.: 27-10332 17 SEP 75

SERIAL	19 1957		20 1975		21 DELTA	
	I (BT)	I (BT)	I (BT)	I (BT)	I (BT)	I (BT)

00100227	4.803E-08	4.503E-08	3.000E-09			
00100229	6.603E-08	5.100E-08	1.500E-08			
00100230	2.700E-03	3.100E-03	-4.000E-09			
00100231	1.100E-04	1.100E-03	0.0			
00100232	7.500E-08	6.200E-03	1.100E-08			
00100233	2.800E-08	3.200E-03	-4.000E-09			
00100234	5.000E-09	5.000E-09	1.000E-09			
00100235	5.000E-09	1.000E-09	4.000E-09			
00100236	1.000E-07	1.120E-07	-1.200E-08			
00100237	9.000E-09	1.100E-08	-2.000E-09			
00100238	8.700E-08	8.500E-08	2.000E-09			
00100239	2.800E-08	2.000E-08	3.000E-09			
00100240	1.600E-08	1.100E-08	5.000E-09			
00100241	1.200E-07	3.000E-04	4.000E-08			
00100242	7.000E-09	5.000E-09	2.000E-09			
00100243	2.300E-08	3.200E-08	-0.900E-09			
00100244	4.800E-09	5.100E-08	-3.000E-09			
00100298	1.600E-08	9.000E-09	5.000E-09			
00100299	1.400E-08	1.100E-08	3.000E-09			
00100300	1.600E-08	1.100E-08	3.000E-09			
00100301	5.000E-09	1.000E-09	4.000E-09			
00100302	8.000E-09	9.000E-09	-1.000E-09			
00100303	1.400E-08	1.100E-08	3.000E-09			
00100304	3.500E-08	2.500E-08	1.000E-08			
00100305	1.000E-09	5.000E-09	5.000E-09			
00100306	7.000E-09	1.000E-08	6.000E-09			
00100307	7.000E-09	1.000E-09	6.000E-09			
00100308	2.200E-08	1.100E-08	1.100E-08			
00100309	6.000E-09	1.000E-09	5.000E-09			
00100310	2.200E-09	1.200E-08	1.000E-08			
00100311	2.800E-08	5.100E-08	3.700E-08			
00100312	5.000E-09	1.000E-09	4.000E-09			
00100313	5.200E-08	4.200E-08	1.000E-08			
00100314	2.700E-08	1.200E-08	1.000E-08			
00100315	4.000E-09	1.000E-09	3.000E-09			
00100316	5.000E-09	1.000E-09	4.000E-09			
00100317	5.000E-09	1.000E-09	4.000E-09			
00100318	5.000E-09	1.000E-09	4.000E-09			
00100319	5.000E-09	1.000E-09	4.000E-09			
00100320	5.000E-09	1.000E-09	4.000E-09			
00100321	5.000E-09	1.000E-09	4.000E-09			
00100322	5.000E-09	1.000E-09	4.000E-09			
00100323	5.000E-09	1.000E-09	4.000E-09			
00100324	5.000E-09	1.000E-09	4.000E-09			
00100325	5.000E-09	1.000E-09	4.000E-09			
00100326	5.000E-09	1.000E-09	4.000E-09			
00100327	5.000E-09	1.000E-09	4.000E-09			
00100328	5.000E-09	1.000E-09	4.000E-09			
00100329	5.000E-09	1.000E-09	4.000E-09			
00100330	5.000E-09	1.000E-09	4.000E-09			
00100331	5.000E-09	1.000E-09	4.000E-09			
00100332	5.000E-09	1.000E-09	4.000E-09			
00100333	5.000E-09	1.000E-09	4.000E-09			
00100334	5.000E-09	1.000E-09	4.000E-09			
00100335	5.000E-09	1.000E-09	4.000E-09			

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210A8 TITLE: DEVICE: DOUBLE GATE MOTROLA PART NO.: SC2210 GOEING PART NO.: 27-10332 17 SEP 75

SERIAL	19 1967 1 (RT)	20 1975 1 (RT)	21 DELTA 1 (RT)
00100386	5.000E-09	1.000E-09	4.000E-09
00100441	2.000E-08	1.100E-08	9.000E-09
00100442	4.100E-08	4.100E-08	0.0
00100443	4.000E-09	1.000E-09	3.000E-09
00100446	6.400E-08	5.100E-08	1.300E-08
00100445	2.000E-08	1.700E-08	3.000E-09
00100446	1.900E-08	1.100E-08	8.000E-09
00100447	5.200E-08	3.100E-08	2.100E-08
00100448	1.500E-08	1.100E-08	4.000E-09
00100449	1.500E-08	1.100E-08	4.000E-09
00100450	5.000E-09	1.000E-09	4.000E-09
00100451	6.300E-08	5.200E-08	3.000E-09
00100452	9.100E-08	4.100E-08	4.000E-09
00100453	6.000E-09	1.000E-09	5.000E-09
00100454	4.900E-08	4.200E-08	6.000E-09
00100455	1.000E-09	9.000E-09	1.000E-09
00100456	1.500E-08	1.100E-08	4.000E-09
00100457	1.300E-08	1.100E-08	2.000E-09
00100458	3.300E-08	2.900E-08	4.000E-09
00100513	5.000E-09	1.000E-09	4.000E-09
00100514	6.000E-09	1.000E-09	5.000E-09
00100515	6.000E-09	1.000E-09	5.000E-09
00100516	3.000E-09	5.000E-09	1.000E-09
00100517	1.000E-08	9.000E-09	1.000E-09
00100518	5.000E-09	1.000E-09	4.000E-09
00100519	2.300E-08	1.200E-08	1.100E-08
00100520	6.000E-09	1.000E-09	5.000E-09
00100521	7.200E-08	6.100E-08	1.100E-08
00100522	3.000E-09	1.000E-09	2.000E-09
00100523	2.700E-08	3.100E-08	4.000E-09
00100524	1.400E-08	1.100E-08	3.000E-09
00100525	3.600E-08	2.900E-08	7.000E-09
00100526	2.000E-08	1.100E-08	9.000E-09
00100527	3.200E-08	2.500E-08	7.000E-09
00100528	1.900E-08	1.100E-08	2.000E-08
00100529	9.000E-09	1.000E-09	8.000E-09
00100530	4.300E-08	2.100E-08	2.200E-08
00100531	1.400E-08	1.100E-08	3.000E-09
00100532	4.700E-08	4.000E-08	7.000E-09
00100533	1.200E-08	9.000E-09	3.000E-09
00100534	5.100E-08	4.100E-08	1.000E-08
00100535	1.400E-08	1.100E-08	7.000E-09
00100536	6.200E-08	1.200E-08	5.000E-08
00100537	7.400E-08	7.100E-08	4.000E-09
00100538	3.300E-08	3.100E-08	2.000E-09
00100539	2.400E-08	2.100E-08	7.000E-09
00100540	9.000E-09	9.000E-09	3.0
00100541	6.000E-09	1.200E-09	5.000E-09
00100542	5.000E-09	1.000E-09	4.000E-09
00100543	5.000E-09	1.000E-09	4.000E-09

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

AGEING PART NO.: 27-10332

MOTOROLA PART NO.: SC2210

TITLE: DEVICE: DOUBLE GATE

FILE NAME: SC2210A3

SERIAL	19		20		21	
	1967	1 (RT)	1975	1 (RT)	DELTA	1 (RT)

00100598	6.000F-09	1.000F-09	5.000E-09
00100599	1.700F-08	1.100F-08	6.000E-09
00100600	1.000F-09	1.100F-08	-1.000E-09
00100601	1.500F-09	1.100F-08	4.000E-09
00100602	5.000F-09	1.000F-09	4.300E-09
00100603	3.000F-08	3.200F-08	6.000E-09
00100604	5.000F-09	1.000F-09	4.000E-09
00100605	1.100F-08	9.000F-09	2.000E-09
00100606	2.100F-08	1.100F-08	1.000E-08
00100607	6.000F-09	1.000F-09	5.000F-09
00100608	2.500E-08	2.100F-08	4.000E-09
00100609	1.000F-08	1.100F-08	-1.000E-09
00100610	4.200E-08	3.000F-08	5.000E-09
00100611	5.000F-09	5.000F-09	0.0
00100612	8.000E-08	1.000F-09	7.000F-09
00100613	6.000F-09	1.000F-09	5.000E-09
00100614	9.000E-09	9.000F-09	0.0
00100615	4.000E-08	3.000F-08	1.000E-08
00100616	4.000E-09	1.000E-09	3.000E-09
00100617	8.100E-08	7.200F-08	1.100E-08
00100618	6.000F-09	1.000E-09	5.000E-09
00100619	1.500F-08	1.100F-08	4.000E-09
00100620	1.000F-08	1.200F-08	7.000E-09
00100621	6.000F-09	1.000F-09	2.000E-09
00100622	4.600F-08	4.100E-08	5.000E-09
00100623	9.000E-09	9.000F-09	0.0
00100624	9.000E-09	5.000E-09	3.000E-09
00100625	7.000F-09	1.000E-08	6.000E-09
00100626	7.000F-09	1.000E-09	6.000F-09
00100627	1.200E-08	1.100E-08	1.000E-09
00100628	7.000F-09	1.000E-09	6.000E-09
00100629	8.100E-09	1.000F-09	7.000E-09
00100630	1.500F-08	1.100F-08	4.000F-09
00100631	6.000E-09	1.000E-09	7.000E-09
00100632	6.000E-09	1.000F-09	5.000E-09
00100633	6.000E-09	1.000F-09	0.0
00100634	2.000E-08	1.100F-08	1.100E-08
00100635	6.000E-09	1.000F-09	5.000E-09
00100636	2.200E-08	1.100F-08	5.000E-09
00100637	6.000E-09	1.000F-09	4.000E-09
00100638	1.100F-08	1.100F-08	6.000E-09
00100639	4.000E-09	4.000F-09	9.000E-09
00100640	3.400E-08	1.100F-08	3.000E-09
00100641	4.000F-09	1.000F-09	3.000F-09
00100642	4.000F-09	1.000F-09	7.000E-09
00100643	9.000E-09	1.000F-09	7.000E-09
00100644	2.200E-08	1.100F-08	1.100E-08
00100645	6.000E-09	1.000F-09	5.000E-09
00100646	1.100F-08	1.100F-08	4.000E-09
00100647	4.000E-09	4.000F-09	9.000E-09
00100648	7.000E-09	1.000F-09	6.000E-09
00100649	3.400E-08	1.100F-08	3.000E-09
00100650	4.000F-09	1.000F-09	3.000F-09
00100651	9.000E-09	1.000F-09	7.000E-09
00100652	5.000F-09	1.000F-09	6.000E-09
00100653	9.000E-09	7.100F-09	1.100E-08
00100654	8.000F-09	1.000F-09	7.000E-09

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

BOEING PART NO.: 27-10332

MOTOROLA PART NO.: SC2210

TITLE: DEVICE: DOUBLE GATE

FILE NAME: SC2210A

SERIAL 19 20 21
1967 1975 DELTA
1 (RT) 1 (RT) 1 (RT)

00100411	5.800E-09	5.100E-09	7.000E-09
00100412	8.300E-09	5.200E-09	3.100E-09
00100413	5.100E-09	4.100E-09	-1.000E-09
00100414	3.600E-09	2.900E-09	7.900E-09
00100415	8.000E-09	1.000E-09	7.000E-09
00100416	1.100E-09	9.000E-09	2.000E-09
00100417	8.000E-09	5.000E-09	3.000E-09
00100418	4.100E-09	4.000E-09	1.000E-09
00100419	1.200E-09	1.100E-09	1.200E-09
00100420	4.000E-09	1.000E-09	3.000E-09
00100421	1.200E-09	2.900E-09	3.000E-09
00100422	2.100E-09	2.100E-09	6.000E-09
00100423	2.400E-09	1.100E-09	1.300E-09
00100424	1.000E-09	1.000E-09	6.000E-09
00100425	7.700E-09	6.100E-09	1.600E-09
00100426	1.500E-09	1.200E-09	3.000E-09
00100427	5.200E-09	4.000E-09	3.000E-09
00100428	5.000E-09	1.000E-09	4.000E-09
00100429	1.300E-09	1.100E-09	2.000E-09
00100430	4.000E-09	1.000E-09	3.000E-09
00100431	5.300E-09	4.500E-09	8.000E-09
00100432	5.300E-09	4.200E-09	1.100E-09
00100433	5.000E-09	1.000E-09	4.000E-09
00100434	6.000E-09	1.000E-09	5.000E-09
00100435	7.900E-09	3.200E-09	-3.000E-09
00100436	5.000E-09	1.000E-09	4.000E-09
00100437	2.200E-09	1.100E-09	1.100E-09
00100438	6.000E-09	1.000E-09	5.000E-09
00100439	5.000E-09	1.000E-09	4.000E-09
00100440	4.000E-09	1.000E-09	3.000E-09
00100441	8.500E-09	6.100E-09	2.400E-09
00100442	2.500E-09	1.000E-09	1.000E-09
00100443	5.000E-09	1.000E-09	5.000E-09
00100444	5.000E-09	1.000E-09	4.000E-09
00100445	6.000E-09	1.000E-09	5.000E-09
00100446	5.000E-09	1.000E-09	4.000E-09
00100447	5.000E-09	1.000E-09	4.000E-09
00100448	4.000E-09	1.000E-09	5.000E-09
00100449	5.000E-09	1.000E-09	4.000E-09
00100450	4.000E-09	1.000E-09	3.000E-09
00100451	8.500E-09	6.100E-09	2.400E-09
00100452	2.500E-09	1.000E-09	1.000E-09
00100453	5.000E-09	1.000E-09	5.000E-09
00100454	5.000E-09	1.000E-09	4.000E-09
00100455	1.300E-09	1.250E-09	1.100E-09
00100456	2.500E-09	2.500E-09	0.0
00100457	1.600E-09	1.100E-09	5.000E-09
00100458	8.000E-09	5.000E-09	1.000E-09
00100459	7.000E-09	1.000E-09	6.000E-09
00100460	2.500E-09	2.100E-09	4.000E-09
00100461	7.000E-09	1.000E-09	6.000E-09
00100462	1.300E-09	1.100E-09	2.000E-09
00100463	1.100E-09	5.000E-09	6.000E-09
00100464	5.000E-09	1.000E-09	4.000E-09
00100465	6.000E-09	1.000E-09	5.000E-09
00100466	4.000E-09	1.000E-09	3.000E-09

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TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

FILE NAME: SC2210A9 TITLE: DEVICE: DOUBLE GATE NOTOPOLA PART NO.: SC2210 RECEIVING PART NO.: 27-10332 17 SEP 75

SERIAL	19 1967		20 1975		21 DELTA	
	I (RT)	I (RT)	I (RT)	I (RT)	I (RT)	I (RT)
00101553	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101554	1.300E-08	1.000E-08	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101556	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101557	2.900E-08	3.100E-08	-2.000E-09	-2.000E-09	-2.000E-09	-2.000E-09
00101558	3.900E-04	3.900E-04	0.0	0.0	0.0	0.0
00101559	1.200E-08	1.100E-08	1.070E-09	1.070E-09	1.070E-09	1.070E-09
00101560	6.400E-09	9.100E-08	-1.700E-09	-1.700E-09	-1.700E-09	-1.700E-09
00101561	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101562	1.400E-04	1.400E-03	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101563	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101564	1.700E-08	1.000E-05	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101565	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101570	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101571	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101572	5.600E-03	3.900E-04	1.700E-08	1.700E-08	1.700E-08	1.700E-08
00101573	1.000E-08	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101574	1.080E-07	1.120E-07	-4.000E-09	-4.000E-09	-4.000E-09	-4.000E-09
00101576	9.000E-09	9.000E-09	0.0	0.0	0.0	0.0
00101577	3.200E-04	3.200E-04	2.0	2.0	2.0	2.0
00101578	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101579	9.000E-09	9.000E-09	0.0	0.0	0.0	0.0
00101580	5.000E-09	1.700E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101581	1.400E-08	1.200E-08	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101582	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101583	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101584	9.000E-09	9.000E-09	0.0	0.0	0.0	0.0
00101585	1.400E-04	1.100E-04	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101586	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101587	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101588	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101589	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101590	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101591	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101592	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101593	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101594	8.000E-09	1.070E-04	-3.000E-09	-3.000E-09	-3.000E-09	-3.000E-09
00101595	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101596	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101597	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101598	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101599	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101600	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101601	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101602	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101603	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101604	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101605	1.000E-08	4.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101606	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101607	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101608	1.000E-04	9.000E-09	1.000E-09	1.000E-09	1.000E-09	1.000E-09
00101609	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101610	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101611	7.000E-09	1.000E-09	6.000E-09	6.000E-09	6.000E-09	6.000E-09
00101612	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101613	1.000E-04	1.000E-04	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101614	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101615	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101616	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101617	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101618	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09

TABLE 5-3. TEST RESULTS FOR DOUBLE GATE (Continued)

17 SEP 75

NOTING PART NO.: 27-10332

MOTOROLA PART NO.: SC2210

TITLE: DEVICE: DOUBLE GATE

FILE NAME: SC2210AR

SERIAL	19		20		21	
	1 (RT)	1 (RT)	1 (RT)	1 (RT)	1 (RT)	1 (RT)

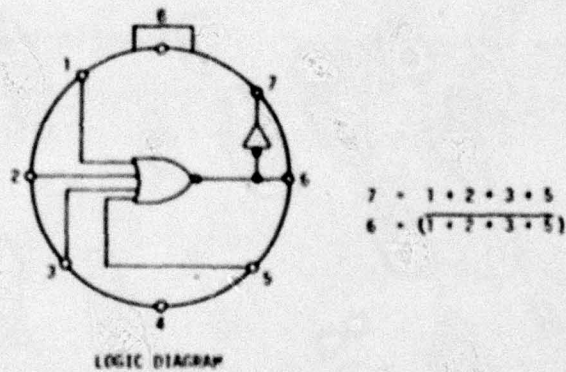
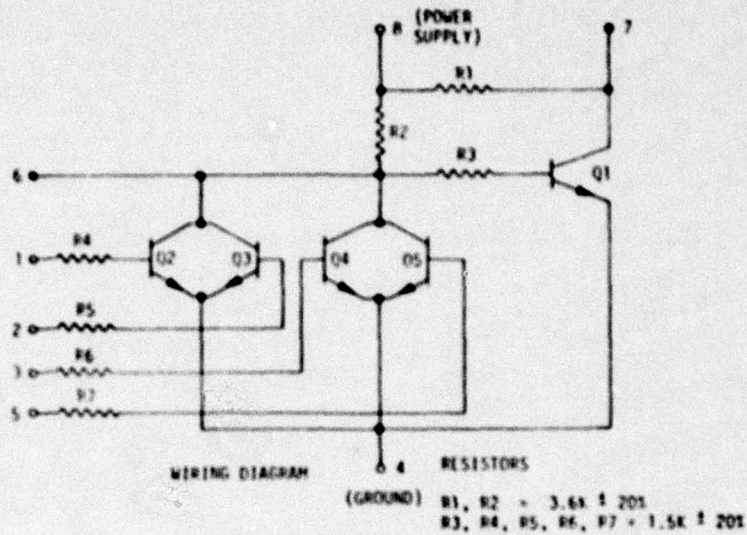
00101669	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101670	4.000E-09	1.000E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101671	1.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101672	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101673	2.500E-09	1.200E-09	1.100E-09	1.100E-09	1.100E-09	1.100E-09
00101674	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101675	1.300E-07	1.300E-07	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101676	2.900E-09	2.100E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101677	1.400E-09	9.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101678	5.000E-09	1.000E-09	4.000E-09	4.000E-09	4.000E-09	4.000E-09
00101679	2.800E-09	3.500E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101680	2.700E-09	1.200E-09	1.500E-09	1.500E-09	1.500E-09	1.500E-09
00101681	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101682	3.500E-09	4.100E-09	1.000E-09	1.000E-09	1.000E-09	1.000E-09
00101683	5.500E-09	5.100E-09	1.000E-09	1.000E-09	1.000E-09	1.000E-09
00101684	1.400E-09	1.000E-09	8.000E-09	8.000E-09	8.000E-09	8.000E-09
00101685	1.200E-09	1.100E-09	1.000E-09	1.000E-09	1.000E-09	1.000E-09
00101686	3.500E-09	2.100E-09	1.400E-09	1.400E-09	1.400E-09	1.400E-09
00101687	2.100E-09	1.400E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101688	1.100E-09	1.100E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101689	6.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101690	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101691	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101692	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101693	1.400E-09	1.100E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101694	6.500E-09	6.300E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101695	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101696	1.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101697	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101698	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101699	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101700	1.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101701	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101702	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101703	1.400E-09	1.100E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101704	6.500E-09	6.300E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101705	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101706	1.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101707	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101708	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101709	1.400E-09	1.100E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101710	6.500E-09	6.300E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101711	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101712	1.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101713	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101714	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101715	1.400E-09	1.100E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101716	6.500E-09	6.300E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101717	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101718	1.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101719	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101720	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101721	1.400E-09	1.100E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101722	6.500E-09	6.300E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101723	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101724	1.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09
00101725	3.400E-09	3.200E-09	2.000E-09	2.000E-09	2.000E-09	2.000E-09
00101726	6.000E-09	1.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101727	1.400E-09	1.100E-09	3.000E-09	3.000E-09	3.000E-09	3.000E-09
00101728	6.500E-09	6.300E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
00101729	8.000E-09	1.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09
00101730	1.000E-09	1.000E-09	9.000E-09	9.000E-09	9.000E-09	9.000E-09

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5.4 FOUR-INPUT GATE TEST RESULTS

Figure 5-4 and Table 5-IV present the circuit diagrams and the test results, respectively, for the Four-Input Gate devices. The table lists both the original 1967 test and the 1975 test values, as well as the difference (delta) between them. The left-hand column titled "SERIAL" contains the part serial number. All current values are listed in ampere units, while all voltage values are in volt units. The standard computer printout convention has been used to denote exponents, i.e., $1.234\text{E}-02 = 1.234 \times 10^{-2}$ or 0.01234.

The actual test input conditions used for each of the six parameter measurements made on the Four-Input Gate devices can be found in the Appendix to this volume, Figures A-4 (a) through A-4 (f).



VOLTAGE SPECIFICATIONS	
INPUT VOLTAGE	SPECIFICATION AT 25°C
POWER SUPPLY (NOMINAL)	3.00V
POWER SUPPLY (MAXIMUM)	3.67V
MAXIMUM "OFF" VOLTAGE	0.47V
MINIMUM "ON" VOLTAGE	0.75V
SATURATION VOLTAGE	0.81V
MINIMUM DRIVE VOLTAGE	1.80V
LOW LEVEL VOLTAGE FOR LEAKAGE CHECK	0.40V

FIGURE 5-4 WIRING AND LOGIC DIAGRAMS FOR 4 - INPUT GATE

TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE

17 SEP 75

SC2211A

SC2211

TITLE: DEVICE: FOUR-INPUT GATE

FILE NAME: SC2211A

SERIAL	1 1967 (1)	2 1975 (1)	3 DELTA (1)	4 1967 (1)	5 1975 (1)	6 DELTA (1)	7 1967 (1)	8 1975 (1)	9 DELTA (1)
00110007	9.310E-05	9.820E-05	-5.103E-06	6.557E-04	6.567E-04	1.703E-06	9.980E-02	9.700E-02	2.800E-03
00110010	9.110E-05	8.890E-05	2.205E-06	6.645E-04	6.692E-04	-4.603E-06	0.1001	0.1080	-7.900E-03
00110012	9.010E-05	8.923E-05	9.000E-07	6.645E-04	6.693E-04	-2.600E-06	0.1513	0.1690	-1.600E-02
00110014	9.010E-05	8.760E-05	2.500E-06	6.507E-04	6.510E-04	-3.100E-06	0.1276	0.1390	-1.140E-02
00110016	9.260E-05	9.257E-05	2.100E-06	6.340E-04	6.393E-04	-4.100E-06	9.220E-02	9.500E-02	-2.600E-03
00110017	9.390E-05	9.170E-05	2.700E-06	6.463E-04	6.510E-04	-4.700E-06	0.1112	0.1200	-8.800E-03
00110018	9.210E-05	9.090E-05	1.200E-06	6.662E-04	6.720E-04	-3.623E-06	9.860E-02	0.1050	-6.400E-03
00110020	9.120E-05	9.000E-05	1.700E-06	6.501E-04	6.537E-04	-2.900E-06	8.600E-02	8.800E-02	-2.000E-03
00110097	9.403E-05	9.160E-05	4.600E-07	6.560E-04	6.603E-04	-3.003E-06	9.450E-02	9.700E-02	-2.500E-03
00110103	9.640E-05	8.760E-05	1.000E-06	6.506E-04	6.540E-04	-3.400E-06	9.030E-02	9.100E-02	-2.700E-03
00110106	9.080E-05	9.150E-05	-7.000E-07	6.230E-04	6.250E-04	-2.300E-06	0.1019	0.1050	-3.100E-03
00110113	9.080E-05	8.960E-05	2.000E-07	6.438E-04	6.443E-04	-2.200E-06	7.210E-02	7.300E-02	-5.000E-03
00110187	9.290E-05	9.190E-05	1.200E-06	6.412E-04	6.450E-04	-3.900E-06	8.260E-02	9.500E-02	-2.400E-03
00110192	9.240E-05	9.150E-05	1.100E-06	6.825E-04	6.860E-04	-3.500E-06	0.1053	0.1110	-5.700E-03
00110193	9.320E-05	9.110E-05	1.900E-06	6.401E-04	6.442E-04	-3.900E-06	9.890E-02	0.1040	-5.100E-03
00110202	9.620E-05	9.090E-05	3.000E-07	6.608E-04	6.570E-04	-3.600E-06	9.750E-02	0.1030	-2.500E-03
00110293	9.090E-05	9.310E-05	6.300E-07	6.610E-04	6.660E-04	-3.000E-06	9.660E-02	0.1010	-4.600E-03
00110281	9.300E-05	9.170E-05	1.800E-06	6.650E-04	6.700E-04	-4.100E-06	0.1057	0.1130	-7.300E-03
00110265	8.870E-05	8.810E-05	5.000E-07	6.379E-04	6.410E-04	-3.100E-06	0.1213	0.1290	-8.000E-03
00110347	9.870E-05	9.870E-05	1.000E-06	6.348E-04	6.370E-04	-4.200E-06	0.1300	0.1560	-1.610E-02
00110288	9.310E-05	9.090E-05	2.400E-06	6.745E-04	6.820E-04	-4.600E-06	0.1049	0.1110	-7.000E-03
00110290	9.060E-05	9.150E-05	-9.000E-07	6.410E-04	6.430E-04	-2.000E-06	8.240E-02	8.300E-02	-6.000E-04
00110291	9.200E-05	9.050E-05	1.500E-06	6.410E-04	6.410E-04	-3.700E-06	7.460E-02	7.700E-02	-2.400E-03
00110293	9.310E-05	9.160E-05	1.800E-06	6.430E-04	6.510E-04	-4.100E-06	9.840E-02	9.100E-02	-2.600E-03
00110371	9.130E-05	9.140E-05	-1.000E-07	6.478E-04	6.500E-04	-2.200E-06	9.060E-02	9.200E-02	-1.400E-03
00110373	9.110E-05	9.040E-05	7.000E-07	6.338E-04	6.370E-04	-3.130E-06	7.600E-02	7.700E-02	-1.000E-03
00110374	9.150E-05	9.120E-05	3.000E-07	6.468E-04	6.500E-04	-3.200E-06	8.800E-02	9.000E-02	-2.000E-03
00110376	9.070E-05	9.010E-05	6.000E-07	6.348E-04	6.370E-04	-2.200E-06	6.760E-02	6.900E-02	-1.400E-03
00110377	9.620E-05	9.620E-05	1.200E-06	6.504E-04	6.540E-04	-3.600E-06	9.610E-02	0.1310	-4.900E-03
00110374	9.170E-05	9.000E-05	1.700E-06	6.270E-04	6.270E-04	-4.300E-06	7.610E-02	7.900E-02	-2.900E-03
00110379	9.100E-05	9.000E-05	1.000E-06	6.465E-04	6.500E-04	-3.800E-06	0.1035	0.1100	-6.500E-03
00110381	9.240E-05	9.160E-05	8.000E-07	6.745E-04	6.770E-04	-2.400E-06	0.1375	0.1490	-1.150E-02
00110382	9.450E-05	9.320E-05	1.300E-06	6.674E-04	6.710E-04	-3.600E-06	9.440E-02	9.800E-02	-3.600E-03
00110394	9.190E-05	8.950E-05	2.400E-06	6.271E-04	6.310E-04	-3.900E-06	9.680E-02	0.1020	-5.400E-03
00110387	9.450E-05	9.280E-05	1.700E-06	6.779E-04	6.820E-04	-4.200E-06	9.220E-02	9.600E-02	-3.900E-03
00110389	9.160E-05	8.960E-05	2.000E-06	6.531E-04	6.570E-04	-3.400E-06	0.1183	0.1093	-7.700E-03
00110451	8.260E-05	8.320E-05	4.000E-07	5.726E-04	5.750E-04	-2.400E-06	0.1054	0.1070	-3.200E-03
00110462	8.520E-05	8.400E-05	1.700E-06	6.070E-04	6.060E-04	-3.300E-06	0.1206	0.1270	-6.400E-03
00110463	8.360E-05	8.170E-05	2.400E-06	5.356E-04	5.390E-04	-2.600E-06	8.260E-02	8.400E-02	-1.400E-03
00110464	7.960E-05	7.860E-05	8.000E-07	5.408E-04	5.430E-04	-2.600E-06	9.010E-02	0.1020	-2.900E-03
00110466	8.320E-05	8.170E-05	2.000E-07	5.761E-04	5.780E-04	-1.900E-06	1.000E-02	0.1030	-2.700E-03
00110467	7.960E-05	7.870E-05	8.000E-07	5.472E-04	5.500E-04	-2.200E-06	0.1212	0.1042	-3.000E-03
00110469	8.490E-05	8.000E-05	-5.000E-07	5.852E-04	5.810E-04	-2.200E-06	0.1070	0.1040	-3.600E-03
00110471	8.030E-05	7.960E-05	7.000E-07	5.546E-04	5.610E-04	-2.400E-06	9.610E-02	9.900E-02	-2.500E-03
00110472	8.210E-05	8.190E-05	-1.200E-06	5.898E-04	5.910E-04	-1.500E-06	0.840E-02	0.800E-02	-4.000E-04
00110473	8.460E-05	8.440E-05	2.000E-07	5.637E-04	5.630E-04	-3.300E-06	9.560E-02	9.700E-02	-1.400E-03
00110475	7.980E-05	7.930E-05	5.000E-07	5.430E-04	5.460E-04	-3.000E-06	0.2070E-02	0.1000E-02	-1.000E-03
00110479	8.420E-05	8.260E-05	7.000E-07	5.826E-04	5.810E-04	-2.400E-06	8.100E-02	8.200E-02	-1.000E-03
00110551	8.300E-05	8.190E-05	-9.000E-06	5.407E-04	5.390E-04	-1.700E-06	7.640E-02	7.500E-02	-1.400E-03
00110553	8.010E-05	7.850E-05	1.400E-06	5.424E-04	5.460E-04	-3.800E-06	0.1301E-02	0.1400E-02	-2.700E-03

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TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

17 SEP 75

MOTOROLA PART NO.: 27-10334

SC22111

TITLE: DEVICE: FOUR-INPUT GATE

FILE NAME: SC22111A

SECTAL	1 1967 (1)	2 1975 (1)	3 DELTA (1)	4 1967 (1)	5 1975 (1)	6 DELTA (1)	7 1967 (1)	8 1975 (1)	9 DELTA (1)
00110554	7.830E-05	9.010E-05	-2.000E-04	5.422E-04	5.420E-04	2.000E-07	9.437E-02	9.400E-02	3.000E-04
00110555	8.210E-05	9.130E-05	8.000E-07	5.527E-04	5.550E-04	-2.300E-06	0.1078	0.1110	-3.700E-03
00110556	8.230E-05	9.190E-05	-1.000E-04	5.618E-04	5.620E-04	-2.000E-07	0.003E-02	0.500E-02	1.000E-03
00110557	8.270E-05	9.130E-05	9.000E-07	5.678E-04	5.700E-04	-2.700E-06	0.1044	0.1090	-4.400E-03
00110558	8.110E-05	9.420E-05	-3.100E-04	5.425E-04	5.620E-04	1.700E-06	0.1029	0.1010	1.000E-03
00110559	8.480E-05	9.710E-05	-2.300E-04	5.577E-04	5.570E-04	7.001E-07	0.600E-02	6.500E-02	1.400E-03
00110560	8.250E-05	9.310E-05	-6.000E-07	5.608E-04	5.620E-04	-1.700E-06	0.1019	0.1030	-1.700E-03
00110561	8.390E-05	9.950E-05	-5.600E-04	5.727E-04	5.690E-04	3.700E-06	9.340E-02	8.900E-02	4.400E-02
00110562	8.180E-05	9.360E-05	-1.900E-06	5.676E-04	5.690E-04	-4.000E-07	9.520E-02	9.400E-02	1.200E-03
00110563	8.400E-05	9.560E-05	-4.000E-07	5.783E-04	5.780E-04	-2.700E-06	9.270E-02	9.500E-02	-2.300E-03
00110564	8.410E-05	9.500E-05	-1.900E-06	5.878E-04	5.703E-04	-3.001E-07	0.1019	0.1020	-1.000E-04
00110565	8.440E-05	9.620E-05	2.000E-07	5.635E-04	5.650E-04	-2.700E-06	8.660E-02	8.900E-02	-1.600E-03
00110566	8.230E-05	9.240E-05	1.000E-07	5.765E-04	5.790E-04	-1.500E-06	0.1076	0.1110	-3.400E-03
00110567	8.220E-05	9.170E-05	5.000E-07	5.747E-04	5.740E-04	-2.300E-06	0.1078	0.1060	-3.200E-03
00110568	8.180E-05	9.090E-05	9.000E-07	5.686E-04	5.670E-04	-3.200E-06	9.950E-02	9.100E-02	-3.500E-03
00110569	8.470E-05	9.350E-05	1.200E-06	5.923E-04	5.670E-04	-3.700E-06	0.1029	0.1090	-5.100E-03
00110570	8.060E-05	9.280E-05	9.000E-07	5.708E-04	5.610E-04	-2.300E-06	8.860E-02	9.000E-02	-1.400E-03
00110571	8.470E-05	9.310E-05	9.000E-07	5.784E-04	5.873E-04	-1.620E-06	0.1000	0.1040	-4.000E-03
00110572	8.350E-05	9.250E-05	1.500E-06	5.827E-04	5.710E-04	-2.700E-06	9.060E-02	9.100E-02	-2.400E-03
00110573	8.230E-05	9.200E-05	8.000E-07	5.937E-04	5.530E-04	-3.300E-06	0.1012	0.1050	-3.800E-03
00110574	8.350E-05	9.230E-05	1.200E-06	5.788E-04	5.820E-04	-3.200E-06	0.1016	0.1050	-3.400E-03
00110575	8.430E-05	9.390E-05	1.000E-06	5.686E-04	5.700E-04	-3.200E-06	7.760E-02	7.600E-02	-4.000E-04
00110576	8.340E-05	9.270E-05	1.700E-06	5.679E-04	5.710E-04	-3.100E-06	9.270E-02	9.500E-02	-2.300E-03
00110577	8.240E-05	9.200E-05	2.000E-07	5.818E-04	5.840E-04	-2.700E-06	0.1011	0.1030	-1.600E-03
00110578	8.400E-05	9.320E-05	2.400E-06	5.776E-04	5.890E-04	-4.400E-06	0.1139	0.1210	-7.100E-03
00110579	8.360E-05	9.180E-05	1.000E-06	5.606E-04	5.650E-04	-6.600E-06	9.930E-02	9.100E-02	-3.700E-03
00110580	8.290E-05	9.270E-05	7.000E-07	5.158E-04	5.450E-04	-5.600E-06	7.220E-02	7.900E-02	-1.600E-03
00110581	8.310E-05	9.100E-05	2.100E-06	5.751E-04	5.540E-04	-2.500E-06	9.380E-02	8.100E-02	-2.000E-04
00110582	8.100E-05	9.100E-05	2.100E-06	5.751E-04	5.700E-04	-3.900E-06	0.1082	0.1140	-5.000E-03
00110583	8.220E-05	9.100E-05	1.500E-06	5.886E-04	5.920E-04	-3.400E-06	0.1015	0.1090	-4.500E-03
00110584	8.230E-05	9.100E-05	1.600E-06	5.457E-04	5.500E-04	-3.300E-06	8.990E-02	9.200E-02	-2.100E-03
00110585	8.160E-05	9.030E-05	1.900E-06	5.437E-04	5.680E-04	-4.300E-06	9.600E-02	0.1010	-6.400E-03
00110586	8.470E-05	9.530E-05	1.700E-06	5.634E-04	5.670E-04	-3.500E-06	0.1082	0.1180	-6.800E-03
00110587	8.490E-05	9.280E-05	2.100E-05	5.654E-04	5.600E-04	-4.600E-06	9.190E-02	9.600E-02	-4.100E-03
00110588	8.270E-05	9.120E-05	1.500E-06	5.426E-04	5.540E-04	-3.900E-06	8.620E-02	8.800E-02	-1.900E-03
00110589	8.410E-05	9.220E-05	1.900E-06	5.560E-04	5.600E-04	-4.000E-06	9.250E-02	8.500E-02	-2.600E-03
00110590	8.270E-05	9.220E-05	7.000E-07	5.602E-04	5.630E-04	-3.800E-06	9.630E-02	9.800E-02	-2.700E-03
00110591	8.440E-05	9.150E-05	9.000E-07	5.659E-04	5.630E-04	-3.100E-06	9.830E-02	0.1020	-3.700E-03
00110592	8.140E-05	9.270E-05	1.700E-06	5.635E-04	5.630E-04	-3.700E-06	9.770E-02	9.100E-02	-4.900E-03
00110593	8.190E-05	9.220E-05	1.700E-06	5.627E-04	5.640E-04	-3.800E-06	8.840E-02	9.000E-02	-2.000E-03
00110594	8.330E-05	9.230E-05	-8.000E-07	5.560E-04	5.710E-04	-1.300E-06	9.930E-02	9.930E-02	0.500E-05
00110595	8.130E-05	9.130E-05	5.000E-07	5.642E-04	5.680E-04	-3.900E-06	0.1164	0.1450	-9.100E-03
00110596	8.490E-05	9.480E-05	1.100E-06	5.518E-04	5.950E-04	-3.900E-06	9.960E-02	0.1030	-9.400E-03
00110597	8.270E-05	9.270E-05	5.000E-07	5.606E-04	5.830E-04	-2.500E-06	0.1154	0.1710	-5.600E-03
00110598	8.230E-05	9.260E-05	9.000E-07	5.619E-04	5.640E-04	-3.100E-06	9.930E-02	9.200E-02	-1.600E-03
00110599	8.160E-05	9.330E-05	7.000E-07	5.507E-04	5.610E-04	-2.300E-06	9.770E-02	1.300E-02	-1.300E-03
00110600	8.420E-05	9.360E-05	7.000E-07	5.690E-04	5.610E-04	-2.100E-06	7.770E-02	7.920E-02	-1.100E-03

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TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC221148 TITLE: DEVICE: FOUR-INPUT GATE MOTOROLA PART NO.: SC2211 AGEING PART NO.: 27-13334 17 SEP 75

D256-10082-2

SERIAL	1 1967 I (1)	2 1975 I (1)	3 DELTA I (1)	4 1967 I (OUT) (7)	5 1975 I (OUT) (7)	6 DELTA I (OUT) (7)	7 1967 V (OUT) (6-1)	8 1975 V (OUT) (6-1)	9 DELTA V (OUT) (6-1)
00110738	8.240E-05	8.250E-05	3.000E-07	5.594E-04	5.410E-04	-1.603E-06	9.550E-02	7.700E-02	-1.500E-03
00110740	8.320E-05	8.250E-05	8.000E-07	5.809E-04	5.843E-04	-3.100E-06	0.1049	0.1090	-4.100E-03
00110741	8.420E-05	8.350E-05	7.000E-07	5.658E-04	5.402E-04	-2.200E-06	8.790E-02	8.900E-02	-1.100E-03
00110742	8.370E-05	8.100E-05	7.000E-07	5.714E-04	5.742E-04	-2.600E-06	9.040E-02	9.300E-02	-2.200E-03
00110743	8.310E-05	8.150E-05	1.600E-06	5.634E-04	5.570E-04	-3.200E-06	9.140E-02	9.300E-02	-1.600E-03
00110744	8.330E-05	8.220E-05	1.100E-06	5.679E-04	5.713E-04	-3.100E-06	9.560E-02	9.800E-02	-2.400E-03
00110746	8.380E-05	8.260E-05	1.000E-06	5.835E-04	5.725E-04	-3.500E-06	0.1019	0.1050	-3.100E-03
00110821	8.390E-05	8.160E-05	3.000E-07	5.746E-04	5.730E-04	-3.600E-06	9.700E-02	0.1090	-3.000E-03
00110822	8.200E-05	8.110E-05	9.000E-07	5.662E-04	5.693E-04	-2.700E-06	9.770E-02	0.1010	-3.300E-03
00110823	8.020E-05	7.740E-05	8.000E-07	5.484E-04	5.510E-04	-2.500E-06	9.470E-02	7.700E-02	-2.500E-03
00110824	8.330E-05	8.120E-05	1.000E-07	5.830E-04	5.854E-04	-2.300E-06	0.1021	0.1040	-1.900E-03
00110825	8.020E-05	8.050E-05	-3.700E-07	5.827E-04	5.850E-04	-2.700E-06	0.1125	0.1140	-3.400E-03
00110826	8.260E-05	8.120E-05	-6.000E-07	5.668E-04	5.683E-04	-1.700E-06	9.900E-02	0.1010	-2.000E-03
00110827	8.370E-05	8.290E-05	8.000E-07	5.796E-04	5.833E-04	-3.400E-06	0.1012	0.1050	-3.000E-03
00110829	8.160E-05	8.160E-05	-2.000E-07	5.698E-04	5.720E-04	-2.200E-06	0.1084	0.1100	-1.600E-03
00110830	8.270E-05	8.270E-05	-5.000E-07	5.476E-04	5.493E-04	-1.600E-06	7.390E-02	7.500E-02	-1.100E-03
00110832	8.300E-05	8.300E-05	0.0	5.584E-04	5.613E-04	-2.600E-06	8.940E-02	9.000E-02	-2.000E-03
00110833	8.770E-05	8.260E-05	-4.900E-06	5.914E-04	5.893E-04	-2.600E-06	8.600E-02	8.400E-02	-2.000E-03
00110835	8.570E-05	8.420E-05	1.500E-06	6.107E-04	6.140E-04	-3.100E-06	0.1255	0.1340	-8.400E-03
00110836	8.530E-05	8.240E-05	1.000E-06	5.690E-04	5.730E-04	-3.100E-06	9.470E-02	9.700E-02	-2.100E-03
00110837	8.260E-05	8.270E-05	4.000E-07	5.675E-04	5.610E-04	-3.100E-06	8.470E-02	8.500E-02	-3.000E-03
00110839	8.170E-05	8.090E-05	8.000E-07	5.675E-04	5.620E-04	-3.300E-06	0.1067	0.1100	-4.000E-03
00110841	8.070E-05	8.070E-05	4.000E-07	5.597E-04	5.620E-04	-3.300E-06	9.970E-02	0.1010	-2.300E-03
00110843	8.050E-05	8.050E-05	1.700E-06	5.692E-04	5.730E-04	-3.700E-06	0.1077	0.1150	-7.300E-03
00110844	8.460E-05	8.460E-05	2.100E-06	5.921E-04	5.963E-04	-3.900E-06	8.740E-02	9.000E-02	-2.600E-03
00110845	8.050E-05	8.050E-05	1.600E-06	5.524E-04	5.560E-04	-3.600E-06	7.850E-02	7.800E-02	-1.500E-03
00110846	8.050E-05	8.050E-05	1.100E-06	5.561E-04	5.590E-04	-2.900E-06	9.100E-02	9.400E-02	-3.000E-03
00110847	8.050E-05	8.050E-05	1.100E-06	5.597E-04	5.630E-04	-3.300E-06	9.830E-02	0.1010	-2.700E-03
00110848	7.700E-05	7.700E-05	1.000E-06	5.678E-04	5.710E-04	-3.700E-06	9.840E-02	0.1070	-3.600E-03
00110849	8.410E-05	8.320E-05	9.000E-07	5.793E-04	5.830E-04	-3.700E-06	9.680E-02	7.700E-02	-2.200E-03
00110850	8.510E-05	8.360E-05	1.500E-06	5.664E-04	5.700E-04	-3.600E-06	8.040E-02	8.300E-02	-2.200E-03
00110851	8.520E-05	8.170E-05	1.300E-06	5.964E-04	6.000E-04	-3.500E-06	0.1124	0.1180	-5.700E-03
00110852	8.200E-05	8.020E-05	1.800E-06	5.591E-04	5.620E-04	-3.700E-06	8.630E-02	8.800E-02	-1.700E-03
00110853	8.320E-05	7.910E-05	1.000E-06	5.634E-04	5.670E-04	-3.500E-06	0.1059	0.1100	-5.400E-03
00110854	7.930E-05	7.930E-05	1.500E-06	5.995E-04	6.030E-04	-3.700E-06	8.750E-02	9.000E-02	-2.500E-03
00110855	8.460E-05	8.460E-05	1.700E-06	6.098E-04	6.130E-04	-3.700E-06	0.1386	0.1500	-1.100E-02
00110856	8.510E-05	8.370E-05	1.400E-06	5.689E-04	5.732E-04	-4.100E-06	7.400E-02	7.600E-02	-1.100E-03
00110857	8.420E-05	8.290E-05	1.300E-06	5.690E-04	5.690E-04	-3.600E-06	8.800E-02	9.700E-02	-1.200E-03
00110858	7.950E-05	7.950E-05	6.000E-07	5.444E-04	5.470E-04	-2.600E-06	9.470E-02	7.670E-02	-1.600E-03
00110859	8.370E-05	8.260E-05	1.100E-06	5.694E-04	5.730E-04	-3.600E-06	9.330E-02	8.800E-02	-1.700E-03
00110901	8.190E-05	8.190E-05	1.500E-06	5.740E-04	5.770E-04	-3.600E-06	9.670E-02	9.900E-02	-2.300E-03
00110904	8.260E-05	8.260E-05	1.500E-06	5.740E-04	5.770E-04	-3.600E-06	9.960E-02	0.1030	-3.400E-03
00110905	8.190E-05	8.190E-05	1.500E-06	5.912E-04	5.950E-04	-3.700E-06	0.1084	0.1120	-3.700E-03
00110906	8.420E-05	8.300E-05	3.000E-07	5.610E-04	5.630E-04	-2.000E-06	7.850E-02	7.960E-02	-7.000E-03
00110907	8.160E-05	8.160E-05	9.000E-07	5.779E-04	5.813E-04	-3.700E-06	9.530E-02	9.800E-02	-2.700E-03
00110908	8.230E-05	8.150E-05	9.000E-07	5.748E-04	5.780E-04	-3.700E-06	0.1059	0.1090	-3.500E-03
00110910	8.240E-05	8.160E-05	8.000E-07	5.507E-04	5.540E-04	-3.300E-06	9.900E-02	9.160E-02	-2.000E-03

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TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC2211AR	TITLE: DEVICE: FOUR-INPUT GATE				MOTOROLA PART NO.: SC2211				MOTOROLA PART NO.: 27-10334				DATE: 17 SEP 75		
SERIAL	1 1967 (1)	2 1975 (1)	3 DELTA (1)	4 1967 (1)	5 1975 (1)	6 DELTA (1)	7 1967 (1)	8 1975 (1)	9 DELTA (1)	10 1967 (1)	11 1975 (1)	12 DELTA (1)	13 1967 (1)	14 1975 (1)	15 DELTA (1)
00111011	8.100E-05	8.000E-05	1.900E-04	5.691E-04	5.713E-04	-3.900E-06	0.1000	0.1540	-4.100E-03	9.250E-02	9.600E-02	-3.500E-03	9.370E-02	9.500E-02	-1.500E-03
00111012	8.150E-05	7.943E-05	1.700E-04	5.440E-04	5.440E-04	-4.000E-06	0.1264	0.1310	-6.400E-03	9.800E-02	0.1020	-4.000E-03	9.740E-02	0.1010	-3.400E-03
00111013	8.260E-05	8.160E-05	1.700E-04	5.780E-04	6.010E-04	-3.200E-06	9.370E-02	9.500E-02	-1.500E-03	9.560E-02	9.700E-02	-1.400E-03	9.270E-02	8.400E-02	-1.300E-03
00111015	8.350E-05	8.290E-05	6.000E-07	5.707E-04	5.730E-04	-2.300E-06	9.800E-02	0.1020	-4.000E-03	9.740E-02	9.200E-02	-1.900E-03	9.010E-02	9.200E-02	-1.600E-03
00111016	8.250E-05	8.123E-05	1.300E-04	5.711E-04	5.743E-04	-2.900E-06	9.800E-02	0.1020	-4.000E-03	9.560E-02	9.700E-02	-1.400E-03	9.270E-02	8.400E-02	-1.300E-03
00111017	8.020E-05	7.930E-05	9.000E-07	5.533E-04	5.580E-04	-3.700E-06	9.560E-02	9.700E-02	-1.400E-03	9.740E-02	9.200E-02	-1.900E-03	9.010E-02	9.200E-02	-1.600E-03
00111018	8.290E-05	8.253E-05	4.000E-07	5.724E-04	5.759E-04	-2.600E-06	9.560E-02	9.700E-02	-1.400E-03	9.270E-02	8.400E-02	-1.300E-03	9.010E-02	9.200E-02	-1.600E-03
00111099	8.040E-05	8.030E-05	5.000E-07	5.377E-04	5.410E-04	-3.300E-06	9.270E-02	8.400E-02	-1.300E-03	9.740E-02	9.200E-02	-1.900E-03	9.010E-02	9.200E-02	-1.600E-03
00111101	8.170E-05	8.110E-05	6.000E-07	5.464E-04	5.513E-04	-2.620E-06	9.010E-02	9.200E-02	-1.900E-03	9.560E-02	9.700E-02	-1.400E-03	9.270E-02	8.400E-02	-1.300E-03
00111102	7.370E-05	7.600E-05	1.100E-04	5.389E-04	5.430E-04	-3.100E-06	9.880E-02	7.000E-02	-1.200E-03	9.740E-02	9.200E-02	-1.900E-03	9.010E-02	9.200E-02	-1.600E-03
00111103	7.470E-05	7.720E-05	1.500E-04	5.441E-04	5.470E-04	-3.600E-06	9.190E-02	8.400E-02	-2.100E-03	9.560E-02	9.700E-02	-1.400E-03	9.270E-02	8.400E-02	-1.300E-03
00111105	8.120E-05	8.543E-05	7.000E-07	5.475E-04	5.503E-04	-3.000E-06	9.310E-02	3.700E-02	-1.700E-03	9.340E-02	9.500E-02	-1.600E-03	9.050E-02	0.1090	-4.500E-03
00111106	8.140E-05	8.040E-05	1.000E-04	5.513E-04	5.562E-04	-2.700E-06	9.340E-02	9.500E-02	-1.600E-03	9.560E-02	9.700E-02	-1.400E-03	9.270E-02	8.400E-02	-1.300E-03
00111107	7.940E-05	7.943E-05	1.300E-04	5.474E-04	5.513E-04	-3.600E-06	0.1050	0.1090	-4.500E-03	9.890E-02	9.000E-02	-2.000E-03	9.930E-02	0.1030	-3.200E-03
00111110	8.750E-05	8.163E-05	9.000E-07	5.469E-04	5.443E-04	-3.130E-06	0.1274	0.1280	-5.400E-03	9.930E-02	9.000E-02	-2.000E-03	9.930E-02	0.1030	-3.200E-03
00111111	8.190E-05	8.060E-05	1.200E-04	5.443E-04	5.483E-04	-3.730E-06	9.890E-02	9.000E-02	-2.000E-03	9.930E-02	9.000E-02	-2.000E-03	9.930E-02	0.1030	-3.200E-03
00111112	8.500E-05	9.170E-05	1.300E-04	5.714E-04	5.747E-04	-2.800E-06	9.930E-02	9.000E-02	-2.000E-03	9.930E-02	9.000E-02	-2.000E-03	9.930E-02	0.1030	-3.200E-03
00111113	8.330E-05	8.200E-05	1.300E-04	5.651E-04	5.693E-04	-2.900E-06	9.930E-02	9.000E-02	-2.000E-03	9.930E-02	9.000E-02	-2.000E-03	9.930E-02	0.1030	-3.200E-03
00111115	8.260E-05	8.290E-05	4.000E-07	5.371E-04	5.393E-04	-1.900E-06	7.710E-02	7.800E-02	-9.000E-04	7.500E-02	7.500E-02	-2.500E-03	7.500E-02	7.500E-02	-2.500E-03
00111116	7.950E-05	7.760E-05	9.000E-07	5.336E-04	5.370E-04	-3.430E-06	7.500E-02	7.500E-02	-2.500E-03	7.500E-02	7.500E-02	-2.500E-03	7.500E-02	7.500E-02	-2.500E-03
00111190	8.090E-05	8.190E-05	0.0	5.716E-04	5.737E-04	-1.400E-06	0.1165	0.1190	-2.500E-03	9.440E-02	8.500E-02	-6.000E-04	9.440E-02	8.500E-02	-6.000E-04
00111191	8.070E-05	8.100E-05	1.000E-07	5.649E-04	5.710E-04	-2.100E-06	9.440E-02	8.500E-02	-6.000E-04	9.440E-02	8.500E-02	-6.000E-04	9.440E-02	8.500E-02	-6.000E-04
00111192	8.140E-05	8.190E-05	0.0	5.656E-04	5.683E-04	-2.600E-06	0.1063	0.1100	-3.700E-03	9.720E-02	9.800E-02	-8.000E-04	9.720E-02	9.800E-02	-8.000E-04
00111193	8.200E-05	8.220E-05	-2.000E-07	5.567E-04	5.582E-04	-1.300E-06	9.720E-02	9.800E-02	-8.000E-04	9.720E-02	9.800E-02	-8.000E-04	9.720E-02	9.800E-02	-8.000E-04
00111194	7.630E-05	7.540E-05	7.000E-07	5.419E-04	5.430E-04	-2.800E-06	7.580E-02	8.200E-02	-2.200E-03	5.330E-02	6.400E-02	-7.000E-04	5.330E-02	6.400E-02	-7.000E-04
00111195	7.820E-05	7.710E-05	9.000E-07	5.459E-04	5.493E-04	-2.100E-06	5.330E-02	6.400E-02	-7.000E-04	5.330E-02	6.400E-02	-7.000E-04	5.330E-02	6.400E-02	-7.000E-04
00111196	8.550E-05	8.460E-05	9.000E-07	5.026E-04	5.050E-04	-2.500E-06	0.1079	0.1120	-6.100E-03	6.050E-04	6.050E-04	-2.500E-06	6.050E-04	6.050E-04	-2.500E-06
00111197	8.420E-05	8.300E-05	1.200E-04	5.964E-04	6.005E-04	-3.600E-06	0.1313	0.1190	-8.200E-03	6.050E-04	6.050E-04	-2.500E-06	6.050E-04	6.050E-04	-2.500E-06
00111199	7.770E-05	7.770E-05	-5.000E-07	5.471E-04	5.493E-04	-1.900E-06	6.790E-02	6.800E-02	-1.000E-04	6.790E-02	6.800E-02	-1.000E-04	6.790E-02	6.800E-02	-1.000E-04
00111200	8.150E-05	8.150E-05	3.430E-04	5.421E-04	5.413E-04	-1.300E-06	9.800E-02	8.500E-02	-3.000E-03	9.800E-02	8.500E-02	-3.000E-03	9.800E-02	8.500E-02	-3.000E-03
00111201	7.950E-05	7.920E-05	3.000E-07	5.563E-04	5.593E-04	-2.700E-06	9.720E-02	9.800E-02	-8.000E-04	9.720E-02	9.800E-02	-8.000E-04	9.720E-02	9.800E-02	-8.000E-04
00111202	8.290E-05	8.290E-05	7.000E-07	5.400E-04	5.430E-04	-3.000E-06	9.800E-02	9.500E-02	-2.300E-03	9.800E-02	9.500E-02	-2.300E-03	9.800E-02	9.500E-02	-2.300E-03
00111203	8.060E-05	8.030E-05	1.000E-07	5.489E-04	5.513E-04	-2.100E-06	0.1165	0.1210	-4.400E-03	9.850E-02	9.900E-02	-4.000E-04	9.850E-02	9.900E-02	-4.000E-04
00111204	8.390E-05	7.990E-05	1.000E-04	5.494E-04	5.720E-04	-2.600E-06	0.1363	0.1130	-6.700E-03	9.850E-02	9.900E-02	-4.000E-04	9.850E-02	9.900E-02	-4.000E-04
00111205	8.410E-05	8.410E-05	-7.000E-07	5.769E-04	5.770E-04	-1.100E-06	9.850E-02	9.900E-02	-4.000E-04	9.850E-02	9.900E-02	-4.000E-04	9.850E-02	9.900E-02	-4.000E-04
00111206	8.320E-05	8.230E-05	7.000E-07	5.649E-04	5.670E-04	-2.500E-06	9.850E-02	9.900E-02	-4.000E-04	9.850E-02	9.900E-02	-4.000E-04	9.850E-02	9.900E-02	-4.000E-04
00111207	8.160E-05	8.120E-05	-1.600E-04	5.474E-04	5.413E-04	-4.940E-07	9.330E-02	9.400E-02	-7.000E-04	9.330E-02	9.400E-02	-7.000E-04	9.330E-02	9.400E-02	-7.000E-04
00111245	8.060E-05	7.940E-05	1.100E-04	5.508E-04	5.513E-04	-2.500E-06	0.1019	0.1020	-1.000E-04	9.330E-02	9.400E-02	-7.000E-04	9.330E-02	9.400E-02	-7.000E-04
00111247	8.230E-05	8.130E-05	2.000E-04	5.419E-04	5.413E-04	-4.090E-05	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03
00111249	8.210E-05	8.150E-05	6.000E-07	5.665E-04	5.693E-04	-2.500E-06	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03
00111250	8.370E-05	8.200E-05	1.700E-04	5.575E-04	5.613E-04	-3.600E-06	0.1037	0.1170	-3.200E-03	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03
00111251	8.100E-05	8.140E-05	4.000E-07	5.670E-04	5.693E-04	-3.100E-06	0.1137	0.1140	-5.600E-03	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03
00111252	8.100E-05	8.140E-05	5.300E-07	5.670E-04	5.693E-04	-3.100E-06	0.1334	0.1140	-9.600E-03	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03
00111253	8.270E-05	8.130E-05	-1.100E-04	5.594E-04	5.613E-04	-1.730E-06	0.1069	0.1040	-3.500E-03	9.050E-02	3.300E-02	-2.500E-03	9.050E-02	3.300E-02	-2.500E-03
00111254	7.670E-05	7.670E-05	0.0	5.249E-04	5.249E-04	-1.600E-06	9.350E-02	9.000E-02	-5.000E-04	9.350E-02	9.000E-02	-5.000E-04	9.350E-02	9.000E-02	-5.000E-04
00111255	8.160E-05	8.150E-05	1.300E-07	5.629E-04	5.643E-04	-1.600E-06	7.250E-02	7.300E-02	-5.000E-04	7.250E-02	7.300E-02	-5.000E-04	7.250E-02	7.300E-02	-5.000E-04
00111256	8.140E-05	8.090E-05	5.000E-07	5.517E-04	5.557E-04	-2.100E-06	8.370E-02	3.500E-02	-3.000E-03	8.370E-02	3.500E-02	-3.000E-03	8.370E-02	3.500E-02	-3.000E-03
00111257	8.110E-05	8.140E-05	-5.000E-07	5.794E-04	5.813E-04	-1.600E-06	0.1025	0.1090	-2.000E-03	8.370E-02	3.500E-02	-3.000E-03	8.370E-02	3.500E-02	-3.000E-03
00111258	7.710E-05	7.720E-05	-1.500E-07	5.414E-04	5.443E-04	-1.600E-06	8.330E-02	3.300E-02	-2.500E-03	8.330E-02	3.300E-02	-2.500E-03	8.330E-02	3.300E-02	-2.500E-03

D256-10082-2

TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

17 SEP 75

SC2211 PART NO.: 27-10334

SC2211 PART NO.: SC2211

TITLE: DEVICE: FOUR-INPUT GATE

FILE NAME: SC2211AB

SERIAL	1 1967 (11)	2 1975 (11)	3 DELTA (11)	4 1967 (11)	5 1975 (11)	6 DELTA (11)	7 1967 (11)	8 1975 (11)	9 DELTA (11)
00111474	8.090E-05	8.050E-05	4.000E-07	5.710E-04	5.710E-04	-2.000E-05	9.106E-02	0.1110	-4.400E-03
00111475	7.700E-05	7.630E-05	7.000E-07	5.492E-04	5.492E-04	-2.400E-05	9.400E-02	8.800E-02	-1.600E-03
00111476	8.100E-05	8.100E-05	7.000E-07	5.344E-04	5.344E-04	-2.400E-05	8.310E-02	8.400E-02	-9.600E-04
00111477	8.740E-05	8.240E-05	-2.000E-07	5.607E-04	5.607E-04	-2.300E-05	8.010E-02	8.000E-02	1.000E-04
00111478	8.400E-05	8.340E-05	1.400E-06	6.075E-04	6.075E-04	-3.500E-05	9.430E-02	9.700E-02	-2.700E-03
00111479	8.280E-05	8.010E-05	2.300E-06	5.734E-04	5.734E-04	-6.400E-05	0.1064	0.1140	-8.400E-03
00111480	8.400E-05	8.240E-05	1.600E-06	5.674E-04	5.674E-04	-3.200E-05	7.770E-02	7.900E-02	-6.400E-03
00111481	8.620E-05	8.440E-05	1.800E-06	5.724E-04	5.724E-04	-3.600E-05	7.770E-02	7.900E-02	-1.300E-03
00111482	8.770E-05	7.890E-05	1.400E-06	5.317E-04	5.317E-04	-3.300E-05	8.630E-02	9.000E-02	-2.100E-03
00111483	8.750E-05	8.540E-05	2.000E-06	6.109E-04	6.109E-04	-3.100E-05	8.470E-02	8.800E-02	-3.300E-03
00111484	8.600E-05	8.440E-05	1.600E-06	6.034E-04	6.034E-04	-2.600E-05	8.470E-02	8.800E-02	-3.300E-03
00111485	8.190E-05	7.940E-05	2.100E-06	5.400E-04	5.400E-04	-4.000E-05	8.270E-02	8.300E-02	-2.800E-03
00111486	8.580E-05	8.160E-05	2.200E-06	5.670E-04	5.670E-04	-4.000E-05	7.200E-02	7.500E-02	-3.000E-03
00111487	8.290E-05	8.100E-05	1.800E-06	5.583E-04	5.583E-04	-3.700E-05	8.970E-02	9.300E-02	-3.200E-03
00111488	8.330E-05	8.110E-05	2.200E-06	5.764E-04	5.764E-04	-4.600E-05	0.1108	0.1100	-1.120E-02
00111489	8.570E-05	8.340E-05	1.400E-06	5.694E-04	5.694E-04	-3.200E-05	0.1010	0.1040	-7.000E-03
00111490	8.130E-05	7.920E-05	1.200E-06	5.861E-04	5.861E-04	-3.900E-05	8.920E-02	9.300E-02	-3.700E-03
00111491	8.290E-05	7.760E-05	1.700E-06	5.524E-04	5.524E-04	-3.600E-05	7.810E-02	8.000E-02	-1.900E-03
00111492	8.250E-05	7.940E-05	2.100E-06	5.527E-04	5.527E-04	-3.800E-05	6.200E-02	6.400E-02	-2.600E-03
00111493	8.250E-05	7.940E-05	1.900E-06	5.466E-04	5.466E-04	-2.400E-05	6.340E-02	6.500E-02	-1.400E-03
00111494	8.320E-05	8.130E-05	1.700E-06	5.595E-04	5.595E-04	-3.500E-05	7.460E-02	8.000E-02	-1.400E-03
00111495	8.170E-05	7.940E-05	2.200E-06	5.320E-04	5.320E-04	-4.000E-05	6.300E-02	6.500E-02	-2.600E-03
00111496	8.610E-05	8.340E-05	2.500E-06	6.226E-04	6.226E-04	-4.400E-05	0.1450	0.1740	-2.600E-02
00111497	8.610E-05	8.270E-05	1.900E-06	5.607E-04	5.607E-04	-3.300E-05	7.810E-02	8.000E-02	-1.400E-03
00111498	8.540E-05	8.270E-05	2.200E-06	5.681E-04	5.681E-04	-3.400E-05	7.790E-02	8.000E-02	-2.100E-03
00111499	8.240E-05	8.330E-05	2.300E-06	5.471E-04	5.471E-04	-3.900E-05	7.470E-02	8.200E-02	-3.300E-03
00111500	8.440E-05	8.270E-05	2.200E-06	5.755E-04	5.755E-04	-4.500E-05	0.1014	0.1090	-7.200E-03
00111501	8.450E-05	7.840E-05	2.200E-06	5.312E-04	5.312E-04	-2.800E-05	5.610E-02	5.800E-02	-1.900E-03
00111502	8.730E-05	8.540E-05	1.900E-06	6.262E-04	6.262E-04	-3.800E-05	0.1205	0.1310	-1.050E-02
00111503	8.120E-05	7.730E-05	1.700E-06	5.391E-04	5.391E-04	-3.300E-05	6.520E-02	5.400E-02	-2.900E-03
00111504	8.000E-05	7.830E-05	1.700E-06	5.467E-04	5.467E-04	-3.300E-05	7.270E-02	7.300E-02	-2.300E-03
00111505	8.060E-05	7.660E-05	2.000E-06	5.404E-04	5.404E-04	-3.400E-05	7.350E-02	7.600E-02	-2.400E-03
00111506	8.450E-05	8.190E-05	2.600E-06	5.780E-04	5.780E-04	-5.000E-05	0.1411	0.1740	-3.700E-02
00111507	8.760E-05	8.550E-05	2.100E-06	6.200E-04	6.200E-04	-3.100E-05	9.900E-02	0.1060	-6.400E-03
00111508	8.280E-05	7.940E-05	1.700E-06	5.332E-04	5.332E-04	-2.800E-05	7.240E-02	7.500E-02	-2.600E-02
00111509	8.280E-05	7.940E-05	1.700E-06	5.332E-04	5.332E-04	-2.800E-05	6.270E-02	6.300E-02	-8.000E-04
00111510	8.280E-05	7.940E-05	1.700E-06	5.332E-04	5.332E-04	-2.800E-05	4.840E-02	8.700E-02	-3.500E-03
00111511	8.210E-05	7.930E-05	2.900E-06	5.914E-04	5.914E-04	-3.500E-05	7.190E-02	7.700E-02	-3.100E-03
00111512	8.440E-05	8.530E-05	1.900E-06	5.768E-04	5.768E-04	-4.700E-05	8.350E-02	8.600E-02	-2.500E-03
00111513	8.320E-05	8.250E-05	7.000E-07	5.967E-04	5.967E-04	-3.300E-05	0.1035	0.1090	-4.400E-03
00111514	8.140E-05	8.060E-05	1.200E-06	5.324E-04	5.324E-04	-3.400E-05	7.660E-02	7.800E-02	-1.400E-03
00111515	8.050E-05	7.860E-05	1.700E-06	5.603E-04	5.603E-04	-3.700E-05	7.130E-02	7.300E-02	-1.700E-03
00111516	8.702E-05	8.440E-05	1.400E-06	5.909E-04	5.909E-04	-3.100E-05	7.100E-02	7.700E-02	-3.000E-03
00111517	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111518	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111519	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111520	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111521	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111522	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111523	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111524	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111525	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111526	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111527	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111528	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111529	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111530	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111531	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111532	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111533	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111534	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111535	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111536	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111537	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111538	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111539	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111540	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111541	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111542	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111543	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111544	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111545	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111546	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111547	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111548	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111549	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111550	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111551	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111552	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111553	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111554	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111555	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-02	9.200E-02	-2.400E-03
00111556	8.240E-05	8.240E-05	1.400E-06	5.466E-04	5.466E-04	-3.100E-05	8.340E-0		

TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC2211A										TITLE: DEVICE: FOUR-INPUT GATE										MOTOROLA PART NO.: 5C2211										AGING PART NO.: 27-10334										17 SEP 75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
SERIAL		1 1967 (1)		2 1975 (1)		3 DELTA (1)		4 1967 (7)		5 1975 (7)		6 DELTA (7)		7 1967 (6-1)		8 1975 (6-1)		9 DELTA (6-1)		10 1967 (6-1)		11 1975 (6-1)		12 DELTA (6-1)		13 1967 (6-1)		14 1975 (6-1)		15 DELTA (6-1)		16 1967 (6-1)		17 1975 (6-1)		18 DELTA (6-1)		19 1967 (6-1)		20 1975 (6-1)		21 DELTA (6-1)		22 1967 (6-1)		23 1975 (6-1)		24 DELTA (6-1)		25 1967 (6-1)		26 1975 (6-1)		27 DELTA (6-1)		28 1967 (6-1)		29 1975 (6-1)		30 DELTA (6-1)		31 1967 (6-1)		32 1975 (6-1)		33 DELTA (6-1)		34 1967 (6-1)		35 1975 (6-1)		36 DELTA (6-1)		37 1967 (6-1)		38 1975 (6-1)		39 DELTA (6-1)		40 1967 (6-1)		41 1975 (6-1)		42 DELTA (6-1)		43 1967 (6-1)		44 1975 (6-1)		45 DELTA (6-1)		46 1967 (6-1)		47 1975 (6-1)		48 DELTA (6-1)		49 1967 (6-1)		50 1975 (6-1)		51 DELTA (6-1)		52 1967 (6-1)		53 1975 (6-1)		54 DELTA (6-1)		55 1967 (6-1)		56 1975 (6-1)		57 DELTA (6-1)		58 1967 (6-1)		59 1975 (6-1)		60 DELTA (6-1)		61 1967 (6-1)		62 1975 (6-1)		63 DELTA (6-1)		64 1967 (6-1)		65 1975 (6-1)		66 DELTA (6-1)		67 1967 (6-1)		68 1975 (6-1)		69 DELTA (6-1)		70 1967 (6-1)		71 1975 (6-1)		72 DELTA (6-1)		73 1967 (6-1)		74 1975 (6-1)		75 DELTA (6-1)		76 1967 (6-1)		77 1975 (6-1)		78 DELTA (6-1)		79 1967 (6-1)		80 1975 (6-1)		81 DELTA (6-1)		82 1967 (6-1)		83 1975 (6-1)		84 DELTA (6-1)		85 1967 (6-1)		86 1975 (6-1)		87 DELTA (6-1)		88 1967 (6-1)		89 1975 (6-1)		90 DELTA (6-1)		91 1967 (6-1)		92 1975 (6-1)		93 DELTA (6-1)		94 1967 (6-1)		95 1975 (6-1)		96 DELTA (6-1)		97 1967 (6-1)		98 1975 (6-1)		99 DELTA (6-1)		100 1967 (6-1)		101 1975 (6-1)		102 DELTA (6-1)		103 1967 (6-1)		104 1975 (6-1)		105 DELTA (6-1)		106 1967 (6-1)		107 1975 (6-1)		108 DELTA (6-1)		109 1967 (6-1)		110 1975 (6-1)		111 DELTA (6-1)		112 1967 (6-1)		113 1975 (6-1)		114 DELTA (6-1)		115 1967 (6-1)		116 1975 (6-1)		117 DELTA (6-1)		118 1967 (6-1)		119 1975 (6-1)		120 DELTA (6-1)		121 1967 (6-1)		122 1975 (6-1)		123 DELTA (6-1)		124 1967 (6-1)		125 1975 (6-1)		126 DELTA (6-1)		127 1967 (6-1)		128 1975 (6-1)		129 DELTA (6-1)		130 1967 (6-1)		131 1975 (6-1)		132 DELTA (6-1)		133 1967 (6-1)		134 1975 (6-1)		135 DELTA (6-1)		136 1967 (6-1)		137 1975 (6-1)		138 DELTA (6-1)		139 1967 (6-1)		140 1975 (6-1)		141 DELTA (6-1)		142 1967 (6-1)		143 1975 (6-1)		144 DELTA (6-1)		145 1967 (6-1)		146 1975 (6-1)		147 DELTA (6-1)		148 1967 (6-1)		149 1975 (6-1)		150 DELTA (6-1)		151 1967 (6-1)		152 1975 (6-1)		153 DELTA (6-1)		154 1967 (6-1)		155 1975 (6-1)		156 DELTA (6-1)		157 1967 (6-1)		158 1975 (6-1)		159 DELTA (6-1)		160 1967 (6-1)		161 1975 (6-1)		162 DELTA (6-1)		163 1967 (6-1)		164 1975 (6-1)		165 DELTA (6-1)		166 1967 (6-1)		167 1975 (6-1)		168 DELTA (6-1)		169 1967 (6-1)		170 1975 (6-1)		171 DELTA (6-1)		172 1967 (6-1)		173 1975 (6-1)		174 DELTA (6-1)		175 1967 (6-1)		176 1975 (6-1)		177 DELTA (6-1)		178 1967 (6-1)		179 1975 (6-1)		180 DELTA (6-1)		181 1967 (6-1)		182 1975 (6-1)		183 DELTA (6-1)		184 1967 (6-1)		185 1975 (6-1)		186 DELTA (6-1)		187 1967 (6-1)		188 1975 (6-1)		189 DELTA (6-1)		190 1967 (6-1)		191 1975 (6-1)		192 DELTA (6-1)		193 1967 (6-1)		194 1975 (6-1)		195 DELTA (6-1)		196 1967 (6-1)		197 1975 (6-1)		198 DELTA (6-1)		199 1967 (6-1)		200 1975 (6-1)		201 DELTA (6-1)		202 1967 (6-1)		203 1975 (6-1)		204 DELTA (6-1)		205 1967 (6-1)		206 1975 (6-1)		207 DELTA (6-1)		208 1967 (6-1)		209 1975 (6-1)		210 DELTA (6-1)		211 1967 (6-1)		212 1975 (6-1)		213 DELTA (6-1)		214 1967 (6-1)		215 1975 (6-1)		216 DELTA (6-1)		217 1967 (6-1)		218 1975 (6-1)		219 DELTA (6-1)		220 1967 (6-1)		221 1975 (6-1)		222 DELTA (6-1)		223 1967 (6-1)		224 1975 (6-1)		225 DELTA (6-1)		226 1967 (6-1)		227 1975 (6-1)		228 DELTA (6-1)		229 1967 (6-1)		230 1975 (6-1)		231 DELTA (6-1)		232 1967 (6-1)		233 1975 (6-1)		234 DELTA (6-1)		235 1967 (6-1)		236 1975 (6-1)		237 DELTA (6-1)		238 1967 (6-1)		239 1975 (6-1)		240 DELTA (6-1)		241 1967 (6-1)		242 1975 (6-1)		243 DELTA (6-1)		244 1967 (6-1)		245 1975 (6-1)		246 DELTA (6-1)		247 1967 (6-1)		248 1975 (6-1)		249 DELTA (6-1)		250 1967 (6-1)		251 1975 (6-1)		252 DELTA (6-1)		253 1967 (6-1)		254 1975 (6-1)		255 DELTA (6-1)		256 1967 (6-1)		257 1975 (6-1)		258 DELTA (6-1)		259 1967 (6-1)		260 1975 (6-1)		261 DELTA (6-1)		262 1967 (6-1)		263 1975 (6-1)		264 DELTA (6-1)		265 1967 (6-1)		266 1975 (6-1)		267 DELTA (6-1)		268 1967 (6-1)		269 1975 (6-1)		270 DELTA (6-1)		271 1967 (6-1)		272 1975 (6-1)		273 DELTA (6-1)		274 1967 (6-1)		275 1975 (6-1)		276 DELTA (6-1)		277 1967 (6-1)		278 1975 (6-1)		279 DELTA (6-1)		280 1967 (6-1)		281 1975 (6-1)		282 DELTA (6-1)		283 1967 (6-1)		284 1975 (6-1)		285 DELTA (6-1)		286 1967 (6-1)		287 1975 (6-1)		288 DELTA (6-1)		289 1967 (6-1)		290 1975 (6-1)		291 DELTA (6-1)		292 1967 (6-1)		293 1975 (6-1)		294 DELTA (6-1)		295 1967 (6-1)		296 1975 (6-1)		297 DELTA (6-1)		298 1967 (6-1)		299 1975 (6-1)		300 DELTA (6-1)		301 1967 (6-1)		302 1975 (6-1)		303 DELTA (6-1)		304 1967 (6-1)		305 1975 (6-1)		306 DELTA (6-1)		307 1967 (6-1)		308 1975 (6-1)		309 DELTA (6-1)		310 1967 (6-1)		311 1975 (6-1)		312 DELTA (6-1)		313 1967 (6-1)		314 1975 (6-1)		315 DELTA (6-1)		316 1967 (6-1)		317 1975 (6-1)		318 DELTA (6-1)		319 1967 (6-1)		320 1975 (6-1)		321 DELTA (6-1)		322 1967 (6-1)		323 1975 (6-1)		324 DELTA (6-1)		325 1967 (6-1)		326 1975 (6-1)		327 DELTA (6-1)		328 1967 (6-1)		329 1975 (6-1)		330 DELTA (6-1)		331 1967 (6-1)		332 1975 (6-1)		333 DELTA (6-1)		334 1967 (6-1)		335 1975 (6-1)		336 DELTA (6-1)		337 1967 (6-1)		338 1975 (6-1)		339 DELTA (6-1)		340 1967 (6-1)		341 1975 (6-1)		342 DELTA (6-1)		343 1967 (6-1)		344 1975 (6-1)		345 DELTA (6-1)		346 1967 (6-1)		347 1975 (6-1)		348 DELTA (6-1)		349 1967 (6-1)		350 1975 (6-1)		351 DELTA (6-1)		352 1967 (6-1)		353 1975 (6-1)		354 DELTA (6-1)		355 1967 (6-1)		356 1975 (6-1)		357 DELTA (6-1)		358 1967 (6-1)		359 1975 (6-1)		360 DELTA (6-1)		361 1967 (6-1)		362 1975 (6-1)		363 DELTA (6-1)		364 1967 (6-1)		365 1975 (6-1)		366 DELTA (6-1)		367 1967 (6-1)		368 1975 (6-1)		369 DELTA (6-1)		370 1967 (6-1)		371 1975 (6-1)		372 DELTA (6-1)		373 1967 (6-1)		374 1975 (6-1)		375 DELTA (6-1)		376 1967 (6-1)		377 1975 (6-1)		378 DELTA (6-1)		379 1967 (6-1)		380 1975 (6-1)		381 DELTA (6-1)		382 1967 (6-1)		383 1975 (6-1)		384 DELTA (6-1)		385 1967 (6-1)		386 1975 (6-1)		387 DELTA (6-1)		388 1967 (6-1)		389 1975 (6-1)		390 DELTA (6-1)		391 1967 (6-1)		392 1975 (6-1)		393 DELTA (6-1)		394 1967 (6-1)		395 1975 (6-1)		396 DELTA (6-1)		397 1967 (6-1)		398 1975 (6-1)		399 DELTA (6-1)		400 1967 (6-1)		401 1975 (6-1)		402 DELTA (6-1)		403 1967 (6-1)		404 1975 (6-1)		405 DELTA (6-1)		406 1967 (6-1)		407 1975 (6-1)		408 DELTA (6-1)		409 1967 (6-1)		410 1975 (6-1)		411 DELTA (6-1)		412 1967 (6-1)		413 1975 (6-1)		414 DELTA (6-1)		415 1967 (6-1)		416 1975 (6-1)		417 DELTA (6-1)		418 1967 (6-1)		419 1975 (6-1)		420 DELTA (6-1)		421 1967 (6-1)		422 1975 (6-1)		423 DELTA (6-1)		424 1967 (6-1)		425 1975 (6-1)		426 DELTA (6-1)		427 1967 (6-1)		428 1975 (6-1)		429 DELTA (6-1)		430 1967 (6-1)		431 1975 (6-1)		432 DELTA (6-1)		433 1967 (6-1)		434 1975 (6-1)		435 DELTA (6-1)		436 1967 (6-1)		437 1975 (6-1)		438 DELTA (6-1)		439 1967 (6-1)		440 1975 (6-1)		441 DELTA (6-1)		442 1967 (6-1)		443 1975 (6-1)		444 DELTA (6-1)		445 1967 (6-1)		446 1975 (6-1)		447 DELTA (6-1)		448 1967 (6-1)		449 1975 (6-1)		450 DELTA (6-1)		451 1967 (6-1)		452 1975 (6-1)		453 DELTA (6-1)		454 1967 (6-1)		455 1975 (6-1)		456 DELTA (6-1)		457 1967 (6-1)		458 1975 (6-1)		459 DELTA (6-1)		460 1967 (6-1)		461 1975 (6-1)		462 DELTA (6-1)		463 1967 (6-1)		464 1975 (6-1)		465 DELTA (6-1)		466 1967 (6-1)		467 1975 (6-1)		468 DELTA (6-1)		469 1967 (6-1)		470 1975 (6-1)		471 DELTA (6-1)		472 1967 (6-1)		473 1975 (6-1)		474 DELTA (6-1)		475 1967 (6-1)		476 1975 (6-1)		477 DELTA (6-1)		478 1967 (6-1)		479 1975 (6-1)		480 DELTA (6-1)		481 1967 (6-1)		482 1975 (6-1)		483 DELTA (6-1)		484 1967 (6-1)		485 1975 (6-1)		486 DELTA (6-1)		487 1967 (6-1)		488 1975 (6-1)		489 DELTA (6-1)		490 1967 (6-1)		491 1975 (6-1)		492 DELTA (6-1)		493 1967 (6-1)		494 1975 (6-1)		495 DELTA (6-1)		496 1967 (6-1)		497 1975 (6-1)		498 DELTA (6-1)		499 1967 (6-1)		500 1975 (6-1)		501 DELTA (6-1)		502 1967 (6-1)		503 1975 (6-1)		504 DELTA (6-1)		505 1967 (6-1)		506 1975 (6-1)		507 DELTA (6-1)		508 1967 (6-1)		509 1975 (6-1)		510 DELTA (6-1)		511 1967 (6-1)		512 1975 (6-1)		513 DELTA (6-1)		514 1967 (6-1)		515 1975 (6-1)		516 DELTA (6-1)		517 1967 (6-1)		518 1975 (6-1)		519 DELTA (6-1)		520 1967 (6-1)		521 1975 (6-1)		522 DELTA (6-1)		523 1967 (6-1)		524 1975 (6-1)		525 DELTA (6-1)		526 1967 (6-1)		527 1975 (6-1)		528 DELTA (6-1)		529 1967 (6-1)		530 1975 (6-1)		531 DELTA (6-1)		532 1967 (6-1)		533 1975 (6-1)		534 DELTA (6-1)		535 1967 (6-1)		536 1975 (6-1)		537 DELTA (6-1)		538 1967 (6-1)		539 1975 (6-1)		540 DELTA (6-1)		541 1967 (6-1)		542 1975 (6-1)		543 DELTA (6-1)		544 1967 (6-1)		545 1975 (6-1)		546 DELTA (6-1)		547 1967 (6-1)		548 1975 (6-1)		549 DELTA (6-1)		550 1967 (6-1)		551 1975 (6-1)		552 DELTA (6-1)		553 1967 (6-1)		554 1975 (6-1)		555 DELTA (6-	

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TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC2211AB		TITLE: DEVICE: FOUR-INPUT GATE		MONTICIA PART NO.: SC2211		MOEING PART NO.: 27-10334		17 SEP 75	
SERIAL	10 1967 V (L) (6-1)	11 1974 V (L) (6-1)	12 DELTA V (L) (6-1)	13 1967 I (L) (8)	14 1975 I (L) (8)	15 DELTA I (L) (8)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00110007	7.152E-02	7.100E-02	5.000E-04	0.0	1.300E-06	-1.300E-06	4.000E-09	1.000E-09	3.000E-09
00110010	7.700E-02	7.300E-02	-1.000E-03	0.0	1.700E-06	-1.700E-06	4.000E-09	7.000E-09	-3.000E-09
00110012	0.1051	0.1030	-2.900E-03	0.0	1.200E-06	-1.200E-06	8.000E-09	7.000E-09	1.000E-09
00110014	9.670E-02	9.800E-02	-1.300E-03	0.0	1.400E-06	-1.400E-06	5.000E-09	7.000E-09	-2.000E-09
00110016	7.340E-02	7.400E-02	-6.000E-04	4.700E-06	5.300E-06	-6.000E-07	7.000E-09	6.000E-09	1.000E-09
00110017	8.492E-02	8.600E-02	-1.200E-03	0.0	1.200E-06	-1.200E-06	6.000E-09	7.000E-09	-1.000E-09
00110018	7.600E-02	7.700E-02	-1.300E-03	0.0	1.200E-06	-1.200E-06	8.000E-09	8.000E-09	-5.000E-09
00110020	6.910E-02	7.000E-02	-9.000E-04	0.0	1.400E-06	-1.400E-06	3.000E-09	7.000E-09	-4.000E-09
00110022	7.420E-02	7.400E-02	-8.000E-04	0.0	1.200E-06	-1.200E-06	6.000E-09	7.000E-09	-1.000E-09
00110103	7.060E-02	7.100E-02	-4.000E-04	1.000E-06	2.200E-06	-1.200E-06	4.000E-09	7.000E-09	-3.000E-09
00110106	7.070E-02	7.000E-02	2.300E-04	0.0	1.200E-06	-1.200E-06	1.500E-09	3.000E-09	1.500E-09
00110113	5.900E-02	5.900E-02	0.0	0.0	1.200E-06	-1.200E-06	9.000E-09	7.000E-09	1.000E-09
00110187	6.660E-02	6.700E-02	-4.000E-04	0.0	1.700E-06	-1.700E-06	4.000E-09	7.000E-09	-3.000E-09
00110192	8.000E-02	8.000E-02	0.0	0.0	1.200E-06	-1.200E-06	5.000E-09	7.000E-09	-2.000E-09
00110193	7.730E-02	7.800E-02	-7.000E-04	0.0	1.400E-06	-1.400E-06	5.000E-09	7.000E-09	-2.000E-09
00110202	7.660E-02	7.700E-02	-4.000E-04	0.0	1.300E-06	-1.300E-06	5.000E-09	7.000E-09	-2.000E-09
00110280	7.400E-02	7.500E-02	0.0	0.0	1.200E-06	-1.200E-06	5.000E-09	7.000E-09	-2.000E-09
00110281	8.100E-02	8.000E-02	-9.000E-04	0.0	1.700E-06	-1.700E-06	3.000E-09	8.000E-09	-5.000E-09
00110285	8.410E-02	8.900E-02	-9.000E-04	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	-4.000E-09
00110287	0.1031	0.1060	-2.300E-03	0.0	1.300E-06	-1.300E-06	5.000E-09	7.000E-09	-1.000E-09
00110288	7.940E-02	8.000E-02	-6.000E-04	0.0	1.200E-06	-1.200E-06	4.000E-09	8.000E-09	-4.000E-09
00110290	6.600E-02	6.500E-02	1.300E-03	0.0	1.300E-06	-1.300E-06	6.000E-09	7.000E-09	-1.000E-09
00110291	6.190E-02	6.200E-02	-7.000E-04	0.0	1.300E-06	-1.300E-06	5.000E-09	7.000E-09	-2.000E-09
00110293	7.030E-02	7.100E-02	-7.000E-04	0.0	1.300E-06	-1.300E-06	4.000E-09	7.000E-09	-3.000E-09
00110371	7.070E-02	7.100E-02	-3.000E-04	0.0	1.300E-06	-1.300E-06	3.000E-09	7.000E-09	-4.000E-09
00110373	6.140E-02	6.100E-02	4.300E-04	0.0	1.300E-06	-1.300E-06	5.000E-09	7.000E-09	-2.000E-09
00110374	6.970E-02	6.900E-02	7.300E-04	0.0	1.200E-06	-1.200E-06	7.000E-09	7.000E-09	-5.000E-09
00110376	5.610E-02	5.600E-02	-1.300E-04	0.0	1.300E-06	-1.300E-06	2.000E-09	7.000E-09	-5.000E-09
00110377	7.660E-02	7.500E-02	-4.300E-04	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	-5.000E-09
00110378	6.260E-02	6.300E-02	-7.000E-04	0.0	1.200E-06	-1.200E-06	6.000E-09	7.000E-09	-3.000E-09
00110379	7.900E-02	7.900E-02	0.0	0.0	1.300E-06	-1.300E-06	6.000E-09	7.000E-09	-3.000E-09
00110391	9.790E-02	9.900E-02	-1.100E-03	0.0	1.300E-06	-1.300E-06	4.000E-09	7.000E-09	-3.000E-09
00110382	7.390E-02	7.500E-02	-1.100E-03	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	-4.000E-09
00110384	7.510E-02	7.600E-02	-9.000E-04	2.100E-06	3.400E-06	-1.300E-06	4.000E-09	7.000E-09	-3.000E-09
00110387	7.760E-02	7.800E-02	-4.000E-04	0.0	1.300E-06	-1.300E-06	5.000E-09	7.000E-09	-2.000E-09
00110389	3.490E-02	3.500E-02	-7.000E-04	0.0	1.300E-06	-1.300E-06	4.000E-09	7.000E-09	-3.000E-09
00110461	9.230E-02	9.200E-02	3.000E-04	0.0	1.200E-06	-1.200E-06	8.000E-09	1.000E-09	7.000E-09
00110462	9.290E-02	9.200E-02	0.0	0.0	1.300E-06	-1.300E-06	7.000E-09	1.000E-09	-5.000E-09
00110463	6.710E-02	6.700E-02	1.300E-04	4.000E-07	1.300E-06	-1.300E-06	7.000E-09	7.000E-09	-3.000E-09
00110464	7.130E-02	7.100E-02	1.000E-04	5.000E-07	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	-3.000E-09
00110465	7.990E-02	8.000E-02	-9.000E-04	0.0	1.300E-06	-1.300E-06	1.000E-09	7.000E-09	-6.000E-09
00110471	7.660E-02	7.600E-02	4.000E-04	0.0	1.200E-06	-1.200E-06	3.000E-09	4.000E-09	-5.000E-09
00110472	7.790E-02	7.700E-02	4.300E-04	0.0	1.300E-06	-1.300E-06	6.000E-09	7.000E-09	-3.000E-09
00110473	7.660E-02	7.600E-02	-9.000E-04	3.700E-06	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	-5.000E-09
00110475	7.610E-02	7.600E-02	0.0	0.0	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	-3.000E-09
00110477	5.790E-02	5.700E-02	-9.000E-04	2.0	1.200E-06	-1.200E-06	2.100E-09	5.000E-09	1.700E-09
00110551	6.100E-02	6.200E-02	1.000E-03	0.0	1.300E-06	-1.300E-06	7.000E-09	5.000E-09	2.000E-09
00110553	7.310E-02	7.300E-02	1.300E-04	0.0	1.100E-06	-1.100E-06	7.000E-09	7.000E-09	-5.000E-09

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TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC2211A			TITLE: DEVICE: FINIR-INPUT GATE			MOTOROLA PART NO.: SC2211			ROEING PART NO.: 27-10334			17 SEP 75						
SERIAL	10		11		12		13		14		15		16		17		18	
	V (H)	(A-1)	V (H)	(A-1)	V (H)	(A-1)	V (L)	(R)	V (L)	(R)	V (L)	(R)	V (L)	(R)	V (L)	(R)	DELTA	I (R)
00110554	7.490E-02	7.500E-02	7.500E-02	-1.000E-04	0.0	0.0	1.200E-06	-1.200E-06	1.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110555	8.460E-02	8.460E-02	8.460E-02	6.000E-04	0.0	0.0	1.300E-06	-1.300E-06	3.000E-07	7.000E-09	3.000E-07	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110556	7.210E-02	7.210E-02	7.210E-02	1.000E-03	0.0	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110557	8.250E-02	8.250E-02	8.250E-02	5.000E-04	0.0	0.0	1.200E-06	-1.200E-06	1.400E-09	7.000E-09	1.400E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-1.000E-09	-1.000E-09
00110559	8.080E-02	7.900E-02	7.900E-02	1.800E-03	0.0	0.0	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-3.000E-09	-3.000E-09
00110560	5.620E-02	5.620E-02	5.620E-02	1.200E-03	0.0	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110561	8.360E-02	7.900E-02	7.900E-02	1.600E-03	1.500E-06	1.500E-06	1.300E-06	-1.300E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110562	7.530E-02	7.530E-02	7.530E-02	1.300E-03	0.0	0.0	1.300E-06	-1.300E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110563	7.590E-02	7.590E-02	7.590E-02	-1.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110564	7.400E-02	7.400E-02	7.400E-02	0.0	2.200E-06	2.200E-06	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-3.000E-09	-3.000E-09
00110565	8.210E-02	7.800E-02	7.800E-02	1.100E-03	0.0	0.0	1.300E-06	-1.300E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110566	8.940E-02	8.940E-02	8.940E-02	4.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110567	8.330E-02	8.330E-02	8.330E-02	3.000E-04	0.0	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110568	8.080E-02	8.080E-02	8.080E-02	9.000E-04	6.000E-07	6.000E-07	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110569	7.860E-02	7.700E-02	7.700E-02	-4.000E-04	6.600E-06	6.600E-06	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110570	8.370E-02	8.000E-02	8.000E-02	7.000E-04	0.0	0.0	1.100E-06	-1.100E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-3.000E-09	-3.000E-09
00110577	7.140E-02	7.200E-02	7.200E-02	-6.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110579	7.920E-02	7.900E-02	7.900E-02	7.000E-04	0.0	0.0	1.100E-06	-1.100E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110580	8.200E-02	8.200E-02	8.200E-02	2.000E-04	0.0	0.0	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-3.000E-09	-3.000E-09
00110581	7.280E-02	7.300E-02	7.300E-02	-2.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110582	8.010E-02	8.000E-02	8.000E-02	1.000E-03	0.0	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110583	8.030E-02	8.000E-02	8.000E-02	3.000E-04	0.0	0.0	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110584	7.450E-02	7.450E-02	7.450E-02	-6.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110585	7.980E-02	7.980E-02	7.980E-02	4.000E-04	0.0	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110586	7.450E-02	7.450E-02	7.450E-02	-6.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110587	7.980E-02	7.980E-02	7.980E-02	1.000E-03	0.0	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110588	7.870E-02	7.870E-02	7.870E-02	-3.000E-04	6.000E-07	6.000E-07	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-2.000E-09	-2.000E-09
00110589	6.090E-02	6.100E-02	6.100E-02	-1.000E-04	1.200E-06	1.200E-06	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-5.000E-09	-5.000E-09
00110590	6.850E-02	6.700E-02	6.700E-02	-5.000E-04	0.0	0.0	1.300E-06	-1.300E-06	1.200E-07	7.000E-09	1.200E-07	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-1.200E-07	-1.200E-07
00110591	8.450E-02	8.450E-02	8.450E-02	5.000E-04	0.0	0.0	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	4.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-3.000E-09	-3.000E-09
00110592	7.690E-02	7.690E-02	7.690E-02	-9.000E-04	0.0	0.0	1.300E-06	-1.300E-06	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-6.000E-09	-6.000E-09
00110593	7.230E-02	7.230E-02	7.230E-02	-2.000E-04	0.0	0.0	1.300E-06	-1.300E-06	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-3.000E-09	-3.000E-09
00110594	7.730E-02	7.730E-02	7.730E-02	-7.000E-04	6.300E-06	6.300E-06	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110595	6.600E-02	6.600E-02	6.600E-02	-3.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110596	7.350E-02	7.350E-02	7.350E-02	5.000E-04	5.300E-06	5.300E-06	6.400E-06	-6.400E-06	6.000E-09	7.000E-09	6.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-1.000E-09	-1.000E-09
00110597	7.000E-02	7.000E-02	7.000E-02	-5.000E-04	0.0	0.0	1.100E-06	-1.100E-06	2.000E-09	7.000E-09	2.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-6.000E-09	-6.000E-09
00110598	7.000E-02	7.000E-02	7.000E-02	0.0	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-3.000E-09	-3.000E-09
00110599	6.760E-02	6.760E-02	6.760E-02	-9.000E-04	0.0	0.0	1.300E-06	-1.300E-06	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-6.000E-09	-6.000E-09
00110600	7.000E-02	7.000E-02	7.000E-02	0.0	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110601	7.000E-02	7.000E-02	7.000E-02	-9.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110602	7.000E-02	7.000E-02	7.000E-02	-5.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110603	7.000E-02	7.000E-02	7.000E-02	-9.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110604	7.000E-02	7.000E-02	7.000E-02	-9.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110605	7.000E-02	7.000E-02	7.000E-02	-9.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110606	7.000E-02	7.000E-02	7.000E-02	-9.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110607	7.000E-02	7.000E-02	7.000E-02	-9.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	3.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	7.000E-09	-4.000E-09	-4.000E-09
00110608	7.000E-02	7.000E-02	7.000E-02	-9.000E-04	0.0	0.0	1.200E-06	-1.200E-06	3.000E-09									

TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC2211A		TITLE: DEVICE: FOUR-INPUT GATE		MOTOROLA PART NO.: SC2211		ROEING PART NO.: 27-10334		17 SEP 75	
SERIAL	13 1967 V (OL) (6-1)	11 1975 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 I (L) (R)	14 1975 I (L) (R)	15 DELTA I (L) (R)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00110739	7.5105-02	7.7005-02	-9.0005-04	0.0	1.3005-06	-1.3005-06	1.0005-09	7.0005-09	-4.0005-09
00110740	8.2105-02	8.2005-02	1.0005-04	0.0	1.3005-06	-1.3005-06	3.0005-09	7.0005-09	-4.0005-09
00110741	7.0805-02	7.1005-02	-2.0005-04	0.0	1.4005-06	-1.4005-06	1.6005-08	6.0005-09	1.0005-08
00110742	7.2405-02	7.2005-02	4.0005-04	3.2005-06	4.6005-06	-1.4005-06	3.0005-09	7.0005-09	-4.0005-09
00110743	7.3305-02	7.3005-02	3.0005-04	0.0	1.1005-06	-1.1005-06	2.3005-09	8.0005-09	-6.0005-09
00110744	7.6505-02	7.7005-02	-5.0005-04	0.0	1.2005-06	-1.2005-06	5.0005-09	7.0005-09	-2.0005-09
00110745	8.0205-02	8.0005-02	2.0005-04	0.0	1.2005-06	-1.2005-06	3.0005-09	9.0005-09	-5.0005-09
00110746	7.7705-02	7.6005-02	-3.0005-04	0.0	1.2005-06	-1.2005-06	4.0005-09	7.0005-09	-3.0005-09
00110747	7.7905-02	7.8005-02	-2.0005-04	0.0	1.2005-06	-1.2005-06	3.0005-09	8.0005-09	-5.0005-09
00110748	7.5105-02	7.5005-02	-9.0005-04	8.0005-07	1.3005-06	-1.3005-06	1.1005-08	1.0005-09	1.0005-08
00110749	7.5105-02	7.5005-02	-9.0005-04	0.0	1.3005-06	-1.3005-06	2.0005-09	8.0005-09	-6.0005-09
00110750	7.9705-02	7.9705-02	1.2005-04	0.0	1.1005-06	-1.1005-06	5.0005-09	7.0005-09	-2.0005-09
00110751	8.5005-02	8.5005-02	9.0005-04	0.0	1.2005-06	-1.2005-06	1.2005-09	7.0005-09	-4.0005-09
00110752	7.9505-02	7.9505-02	3.0005-04	0.0	1.2005-06	-1.2005-06	1.2005-09	7.0005-09	-4.0005-09
00110753	8.4605-02	8.4605-02	6.0005-04	0.0	1.2005-06	-1.2005-06	3.0005-09	7.0005-09	-2.0005-09
00110754	6.1505-02	6.1505-02	5.0005-04	4.5005-06	5.7005-06	-1.2005-06	3.0005-09	7.0005-09	-4.0005-09
00110755	7.2005-02	7.1005-02	1.0005-04	0.0	1.3005-06	-1.3005-06	5.0005-09	7.0005-09	-2.0005-09
00110756	7.0305-02	6.9305-02	1.0005-04	0.0	1.3005-06	-1.3005-06	3.0005-09	7.0005-09	-2.0005-09
00110757	9.5105-02	9.5005-02	-9.0005-04	0.0	1.2005-06	-1.2005-06	3.0005-09	7.0005-09	-2.0005-09
00110758	7.7105-02	7.7005-02	1.0005-04	9.4005-06	6.7005-06	-5.0005-06	4.0005-09	7.0005-09	-1.0005-09
00110759	7.6705-02	7.6005-02	-3.0005-04	0.0	1.1005-06	-1.1005-06	4.0005-09	7.0005-09	-2.0005-09
00110760	6.9205-02	6.9005-02	2.0005-04	0.0	1.2005-06	-1.2005-06	5.0005-09	7.0005-09	-4.0005-09
00110761	7.4305-02	7.4005-02	-6.0005-04	0.0	1.2005-06	-1.2005-06	3.0005-09	7.0005-09	-4.0005-09
00110762	7.7505-02	7.7005-02	5.0005-04	0.0	1.3005-06	-1.3005-06	3.0005-09	7.0005-09	-4.0005-09
00110763	7.2605-02	7.2005-02	6.0005-04	2.7005-06	3.0005-06	-1.2005-06	5.0005-09	7.0005-09	-2.0005-09
00110764	8.2905-02	8.1005-02	-9.0005-04	0.0	1.2005-06	-1.2005-06	6.0005-09	7.0005-09	-1.0005-09
00110765	7.1105-02	7.1005-02	1.0005-04	6.4005-06	7.6005-06	-1.2005-06	3.0005-09	7.0005-09	-4.0005-09
00110766	6.3305-02	6.3005-02	3.0005-04	1.5005-06	2.8005-06	-1.3005-06	1.4005-09	3.0005-09	-5.0005-09
00110767	7.2705-02	7.1005-02	-3.0005-04	0.0	1.1005-06	-1.1005-06	3.0005-09	3.0005-09	-5.0005-09
00110768	7.7705-02	7.8005-02	-3.0005-04	4.4005-06	5.7005-06	-1.2005-06	3.0005-09	2.0005-09	1.0005-08
00110769	7.7505-02	7.7005-02	-5.0005-04	0.0	1.3005-06	-1.3005-06	3.0005-09	7.0005-09	-4.0005-09
00110770	7.4505-02	7.4005-02	5.0005-04	0.0	1.3005-06	-1.3005-06	2.0005-09	8.0005-09	-6.0005-09
00110771	6.6705-02	6.7005-02	-3.0005-04	3.0005-06	6.0005-06	-1.3005-06	1.0005-09	7.0005-09	-4.0005-09
00110772	8.5905-02	8.7005-02	-9.0005-04	0.0	1.2005-06	-1.2005-06	1.0005-09	7.0005-09	-4.0005-09
00110773	7.0305-02	7.0005-02	3.0005-04	0.0	1.2005-06	-1.2005-06	3.0005-09	7.0005-09	-4.0005-09
00110774	3.2205-02	3.3005-02	-8.0005-04	8.0005-07	1.9005-06	-1.1005-06	1.3005-09	3.0005-09	1.1005-08
00110775	8.2305-02	8.3005-02	-7.0005-04	0.0	1.3005-06	-1.3005-06	1.0005-09	2.1005-09	9.0005-09
00110776	7.1005-02	7.1005-02	0.0	0.0	1.2005-06	-1.2005-06	2.0005-09	8.0005-09	-6.0005-09
00110777	0.1352	0.1352	-2.0005-04	0.0	1.3005-06	-1.3005-06	9.0005-09	1.0005-09	6.0005-09
00110778	6.2005-02	6.2005-02	5.0005-04	7.1005-06	8.4005-06	-1.3005-06	2.0005-09	7.0005-09	-5.0005-09
00110779	6.9005-02	6.9005-02	-2.0005-04	5.0005-06	6.1005-06	-1.1005-06	3.0005-09	8.0005-09	-5.0005-09
00110780	7.5105-02	7.5005-02	-9.0005-04	0.0	1.4005-06	-1.4005-06	3.0005-09	7.0005-09	-5.0005-09
00110781	6.9005-02	6.9005-02	-2.0005-04	0.0	1.2005-06	-1.2005-06	3.0005-09	7.0005-09	-4.0005-09
00110782	7.1005-02	7.1005-02	-3.0005-04	0.0	1.2005-06	-1.2005-06	1.0005-09	3.0005-09	1.7005-08
00110783	7.3105-02	7.3005-02	8.0005-04	0.0	1.3005-06	-1.3005-06	3.0005-09	3.0005-09	-6.0005-09
00110784	8.4205-02	8.4005-02	-8.0005-04	0.0	1.2005-06	-1.2005-06	1.0005-09	9.0005-09	-7.0005-09
00110785	6.4005-02	6.4005-02	5.0005-04	0.0	1.2005-06	-1.2005-06	1.0005-09	7.0005-09	-6.0005-09
00110786	7.4705-02	7.4005-02	-3.0005-04	5.0005-07	1.7005-06	-1.2005-06	2.0005-09	8.0005-09	-6.0005-09
00110787	9.2005-02	9.2005-02	0.0	0.0	1.3005-06	-1.3005-06	7.0005-09	7.0005-09	-5.0005-09
00110788	7.2105-02	7.2005-02	1.0005-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	3.0

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TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC2211AB										TITLE: DEVICE: FOUR-INPUT GATE										MOTOROLA PART NO.: SC2211										ROEING PART NO.: 27-10334										17 SEP 75									
SERIAL		10 1967 V (V) (6-1)		11 1973 V (V) (6-1)		12 DELTA V (V) (6-1)		13 1967 I (A) (8)		14 1975 I (A) (8)		15 DELTA I (A) (8)		16 1967 I (A) (8)		17 1975 I (A) (8)		18 DELTA I (A) (8)		19 1967 I (A) (8)		20 1975 I (A) (8)		21 DELTA I (A) (8)		22 1967 I (A) (8)		23 1975 I (A) (8)		24 DELTA I (A) (8)																			
00111011	7.950E-02	7.900E-02	5.000E-04	0.0	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09																			
00111012	7.380E-02	7.500E-02	-1.200E-03	2.200E-06	3.400E-06	-1.420E-06	2.500E-09	7.000E-09	-5.000E-09	2.500E-09	7.000E-09	-5.000E-09	2.500E-09	7.000E-09	-5.000E-09	2.500E-09	7.000E-09	-5.000E-09	2.500E-09	7.000E-09	-5.000E-09	2.500E-09	7.000E-09	-5.000E-09	2.500E-09	7.000E-09	-5.000E-09	2.500E-09	7.000E-09	-5.000E-09																			
00111013	9.370E-02	9.400E-02	3.000E-04	0.0	1.200E-06	-1.200E-06	6.000E-09	7.000E-09	-1.000E-09	6.000E-09	7.000E-09	-1.000E-09	6.000E-09	7.000E-09	-1.000E-09	6.000E-09	7.000E-09	-1.000E-09	6.000E-09	7.000E-09	-1.000E-09	6.000E-09	7.000E-09	-1.000E-09	6.000E-09	7.000E-09	-1.000E-09	6.000E-09	7.000E-09	-1.000E-09																			
00111015	7.560E-02	7.500E-02	6.000E-04	0.0	1.200E-06	-1.200E-06	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09																			
00111016	7.800E-02	7.800E-02	0.0	0.0	1.200E-06	-1.200E-06	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09																			
00111017	7.710E-02	7.800E-02	-9.000E-04	0.0	1.300E-06	-1.300E-06	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09	7.000E-09	9.000E-09	-6.000E-09																			
00111018	7.590E-02	7.600E-02	-1.000E-04	0.0	1.200E-06	-1.200E-06	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09																			
00111019	6.670E-02	6.700E-02	-3.000E-04	1.000E-06	2.500E-06	-1.000E-06	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09																			
00111101	7.170E-02	7.200E-02	-1.000E-04	0.0	1.200E-06	-1.200E-06	3.000E-09	4.000E-09	-5.000E-09	3.000E-09	4.000E-09	-5.000E-09	3.000E-09	4.000E-09	-5.000E-09	3.000E-09	4.000E-09	-5.000E-09	3.000E-09	4.000E-09	-5.000E-09	3.000E-09	4.000E-09	-5.000E-09	3.000E-09	4.000E-09	-5.000E-09	3.000E-09	4.000E-09	-5.000E-09																			
00111102	5.610E-02	5.500E-02	1.100E-03	0.0	1.200E-06	-1.200E-06	1.000E-09	3.000E-09	-7.000E-09	1.000E-09	3.000E-09	-7.000E-09	1.000E-09	3.000E-09	-7.000E-09	1.000E-09	3.000E-09	-7.000E-09	1.000E-09	3.000E-09	-7.000E-09	1.000E-09	3.000E-09	-7.000E-09	1.000E-09	3.000E-09	-7.000E-09	1.000E-09	3.000E-09	-7.000E-09																			
00111103	6.500E-02	6.500E-02	0.0	0.0	1.200E-06	-1.200E-06	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09																			
00111104	6.460E-02	6.500E-02	4.000E-04	0.0	1.200E-06	-1.200E-06	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09	7.000E-09	9.000E-09	-5.000E-09																			
00111106	7.800E-02	7.800E-02	-7.000E-04	0.0	1.200E-06	-1.200E-06	1.500E-09	3.000E-09	-1.000E-09	1.500E-09	3.000E-09	-1.000E-09	1.500E-09	3.000E-09	-1.000E-09	1.500E-09	3.000E-09	-1.000E-09	1.500E-09	3.000E-09	-1.000E-09	1.500E-09	3.000E-09	-1.000E-09	1.500E-09	3.000E-09	-1.000E-09	1.500E-09	3.000E-09	-1.000E-09																			
00111107	3.280E-02	3.300E-02	-2.000E-04	0.0	1.200E-06	-1.200E-06	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09	4.000E-09	7.000E-09	-3.000E-09																			
00111110	9.600E-02	9.600E-02	0.0	0.0	1.200E-06	-1.200E-06	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09	5.000E-09	7.000E-09	-2.000E-09																			
00111111	7.130E-02	7.200E-02	-7.000E-04	0.0	1.200E-06	-1.200E-06	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09																			
00111112	7.190E-02	7.200E-02	-1.000E-04	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09																			
00111113	7.890E-02	7.900E-02	1.000E-04	0.0	1.300E-06	-1.300E-06	3.000E-09	7.000E-09	-1.000E-09	3.000E-09	7.000E-09	-1.000E-09	3.000E-09	7.000E-09	-1.000E-09	3.000E-09	7.000E-09	-1.000E-09	3.000E-09	7.000E-09	-1.000E-09	3.000E-09	7.000E-09	-1.000E-09	3.000E-09	7.000E-09	-1.000E-09	3.000E-09	7.000E-09	-1.000E-09																			
00111115	6.240E-02	6.200E-02	4.000E-04	5.700E-06	4.900E-06	-1.700E-06	3.000E-09	3.000E-09	6.000E-09	3.000E-09	3.000E-09	6.000E-09	3.000E-09	3.000E-09	6.000E-09	3.000E-09	3.000E-09	6.000E-09	3.000E-09	3.000E-09	6.000E-09	3.000E-09	3.000E-09	6.000E-09	3.000E-09	3.000E-09	6.000E-09	3.000E-09	3.000E-09	6.000E-09																			
00111116	5.800E-02	5.900E-02	1.000E-04	0.0	1.300E-06	-1.300E-06	3.000E-09	9.000E-09	-5.000E-09	3.000E-09	9.000E-09	-5.000E-09	3.000E-09	9.000E-09	-5.000E-09	3.000E-09	9.000E-09	-5.000E-09	3.000E-09	9.000E-09	-5.000E-09	3.000E-09	9.000E-09	-5.000E-09	3.000E-09	9.000E-09	-5.000E-09	3.000E-09	9.000E-09	-5.000E-09																			
00111160	8.900E-02	9.000E-02	1.000E-03	0.0	1.200E-06	-1.200E-06	3.000E-09	7.000E-09	-4.000E-09	3.000E-09	7.000E-09	-4.000E-09	3.000E-09	7.000E-09	-4.000E-09	3.000E-09	7.000E-09	-4.000E-09	3.000E-09	7.000E-09	-4.000E-09	3.000E-09	7.000E-09	-4.000E-09	3.000E-09	7.000E-09	-4.000E-09	3.000E-09	7.000E-09	-4.000E-09																			
00111161	6.780E-02	6.800E-02	-2.000E-04	0.0	1.200E-06	-1.200E-06	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09																			
00111192	8.310E-02	8.300E-02	1.000E-04	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09																			
00111193	7.670E-02	7.700E-02	-1.000E-04	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09																			
00111194	6.280E-02	6.300E-02	-2.000E-04	0.0	1.200E-06	-1.200E-06	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09	1.000E-09	9.000E-09	-7.000E-09																			
00111195	5.220E-02	5.200E-02	2.000E-04	0.0	1.200E-06	-1.200E-06	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09	2.000E-09	7.000E-09	-5.000E-09																			
00111196	9.390E-02	9.400E-02	1.000E-04	0.0	1.200E-06	-1.200E-06	1.000E-09	7.000E-09	-6.000E-09	1.000E-09	7.000E-09	-6.000E-09	1.000E-09	7.000E-09	-6.000E-09	1.000E-09	7.000E-09	-6.000E-09	1.000E-09	7.000E-09	-6.000E-09	1.000E-09	7.000E-09	-6.000E-09	1.000E-09	7.000E-09	-6.000E-09	1.000E-09	7.000E-09	-6.000E-09																			
00111197	9.790E-02	9.800E-02	-1.000E-03	2.600E-06	3.400E-06	-1.200E-06	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000E-09	-3.000E-09	5.000E-09	7.000																																

0256-10082-2

TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

FILE NAME: SC2211A		TITLE: DEVICE: FOUR-INPUT GATE		MOTOROLA PART NO.: SC2211		GOING PART NO.: 27-10334		17 SEP 75	
SERIAL	10 1967 V (H)	11 1975 V (H)	12 DELTA V (H)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00111474	8.2105-02	8.1005-02	3.0105-04	0.0	1.2005-06	-1.2005-06	3.0005-09	7.0005-09	-4.0005-09
00111475	6.9205-02	6.8005-02	2.0105-04	0.0	1.2005-06	-1.2005-06	3.0005-09	3.0005-09	-6.0005-09
00111476	6.7705-02	6.7005-02	7.0005-04	6.0005-07	1.7005-06	-1.1005-06	2.0005-09	7.0005-09	-5.0005-09
00111477	6.6505-02	6.6005-02	5.0105-04	7.0005-07	1.6005-06	-1.1005-06	7.0005-09	7.0005-09	0.0
00111478	7.3405-02	7.3005-02	9.0105-05	0.0	1.2005-06	-1.2005-06	7.0005-09	5.0005-09	-2.0005-09
00111479	9.1705-02	9.1005-02	1.0005-03	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111480	8.1205-02	8.1005-02	9.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	0.0
00111481	6.2805-02	6.2005-02	2.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-3.0005-09
00111482	6.1705-02	6.1005-02	3.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111483	5.4305-02	5.4005-02	7.0105-04	6.0005-06	7.6005-06	-1.0105-06	7.0005-09	7.0005-09	-3.0005-09
00111484	5.7305-02	5.7005-02	7.0105-04	2.6005-06	7.6005-06	-1.0105-06	7.0005-09	7.0005-09	-1.0005-09
00111485	6.4305-02	6.4005-02	1.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111486	6.4705-02	6.4005-02	3.0105-04	1.1005-06	7.7005-06	-1.1005-06	7.0005-09	7.0005-09	-2.0005-09
00111487	7.1605-02	7.1005-02	6.0005-07	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-2.0005-09
00111488	8.9905-02	8.9005-02	1.0105-03	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111489	7.7205-02	7.7005-02	9.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-2.0005-09
00111490	7.0705-02	7.0005-02	1.0105-03	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111491	5.3005-02	5.3005-02	8.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111492	5.1005-02	5.1005-02	0.0	6.4005-06	7.4005-06	-1.0005-06	7.0005-09	7.0005-09	-1.0005-09
00111493	5.2105-02	5.2005-02	1.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111494	6.3105-02	6.3005-02	3.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111495	6.2605-02	6.2005-02	4.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111496	0.1017	0.1060	4.0105-04	3.1005-06	2.4005-06	-0.0005-06	7.0005-09	7.0005-09	-1.0005-09
00111497	6.2705-02	6.2005-02	3.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111498	6.3005-02	6.3005-02	1.0105-03	7.0005-07	1.4005-06	-1.0005-06	7.0005-09	7.0005-09	-3.0005-09
00111499	6.3005-02	6.3005-02	7.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-2.0005-09
00111500	7.8405-02	7.8005-02	1.0105-04	3.6005-06	4.0005-06	-0.0005-06	7.0005-09	7.0005-09	-2.0005-09
00111501	6.6405-02	6.6005-02	1.0105-03	4.2005-06	1.2005-06	-1.0005-06	7.0005-09	7.0005-09	-4.0005-09
00111502	9.2105-02	9.1005-02	9.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-2.0005-09
00111503	5.3505-02	5.3005-02	5.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-2.0005-09
00111504	5.7905-02	5.7005-02	2.0105-04	3.4005-06	4.9005-06	-1.0005-06	7.0005-09	7.0005-09	-1.0005-09
00111505	5.9405-02	5.9005-02	3.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111506	7.8105-02	7.8005-02	9.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111507	5.9305-02	5.9005-02	1.0105-03	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111508	5.9305-02	5.9005-02	1.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111509	5.9005-02	5.9005-02	1.0105-04	1.4005-06	2.7005-06	-1.0005-06	7.0005-09	7.0005-09	-5.0005-09
00111510	6.6505-02	6.6005-02	5.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-9.0005-09
00111511	5.9705-02	5.9005-02	3.0105-04	5.5005-06	6.7005-06	-1.0005-06	7.0005-09	7.0005-09	-4.0005-09
00111512	6.5605-02	6.5005-02	4.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-2.0005-09
00111513	7.7005-02	7.7005-02	7.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111514	6.2005-02	6.2005-02	1.0105-03	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-5.0005-09
00111515	5.8105-02	5.8005-02	1.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-3.0005-09
00111516	6.0305-02	6.0005-02	1.0105-03	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-1.0005-09
00111517	7.0505-02	7.0005-02	5.0105-04	5.0005-07	1.5005-06	-1.0005-06	7.0005-09	7.0005-09	-2.0005-09
00111518	5.9005-02	5.9005-02	0.0	3.4005-06	4.7005-06	-1.0005-06	7.0005-09	7.0005-09	-4.0005-09
00111519	8.2005-02	8.2005-02	6.0105-04	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-6.0005-09
00111520	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111521	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111522	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111523	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111524	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111525	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111526	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111527	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111528	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111529	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111530	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111531	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111532	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111533	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111534	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111535	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111536	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111537	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111538	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111539	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111540	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111541	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111542	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111543	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111544	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111545	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111546	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111547	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111548	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111549	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111550	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111551	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111552	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111553	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111554	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111555	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111556	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09
00111557	6.2005-02	6.2005-02	0.0	0.0	1.2005-06	-1.2005-06	7.0005-09	7.0005-09	-4.0005-09

D256-10082-2

TABLE 5-IV. TEST RESULTS FOR FOUR-INPUT GATE (Continued)

17 SEP 75

27-13334

SC2211

MOYOLA PART NO.: SC2211

TITLE: DEVICE: FOUR-INPUT GATE

12 DELTA

13 1967

14 1975

15 DELTA

16 1975

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89 1975

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91 1975

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100 DELTA

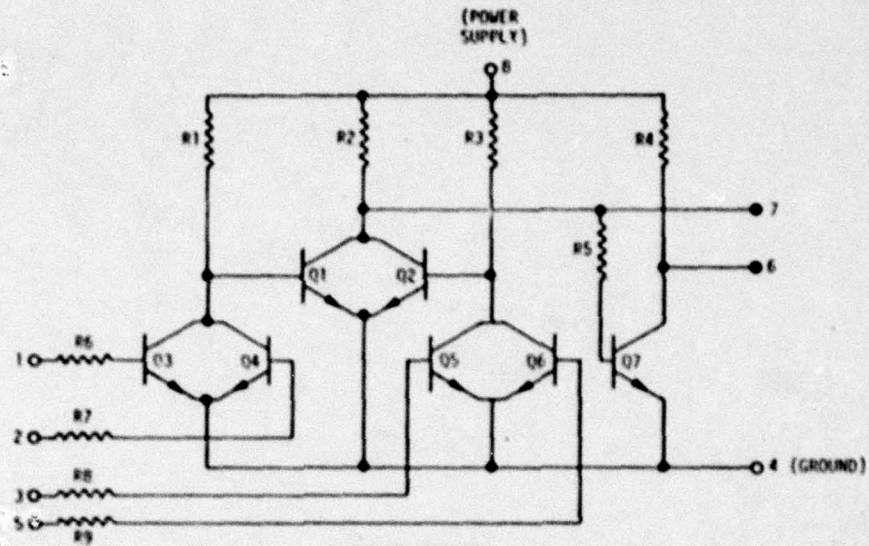
0256-10082-2

5-77A

5.5 HALF ADDER TEST RESULTS

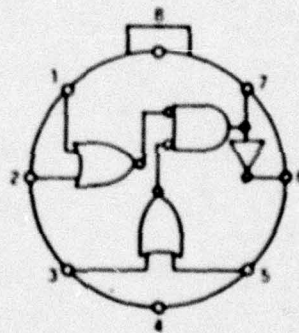
Figure 5-5 and Table 5-V present the circuit diagrams and the test results, respectively, for the Half Adder devices. The table lists both the original 1967 test and the 1975 test values, as well as the difference (delta) between them. The left-hand column titled "SERIAL" contains the part serial number. All current values are listed in ampere units, while all voltage values are in volt units. The standard computer printout convention has been used to denote exponents, i.e., $1.234\text{E}-02 = 1.234 \times 10^{-2}$ or 0.01234.

The actual test input conditions used for each of the six parameter measurements made on the Half Adder devices can be found in the Appendix to this volume, Figures A-5 (a) through A-5 (f).



RESISTORS

R1, R2, R3, R4 = 3.6K $\pm 20\%$
 R5, R6, R7, R8, R9 = 1.5K $\pm 20\%$



$$7 = (1+2) \cdot (3+5)$$

$$6 = 1 \cdot 2 + 3 \cdot 5$$

VOLTAGE SPECIFICATIONS	
INPUT VOLTAGE	SPECIFICATION AT 25°C
POWER SUPPLY (NOMINAL)	3.00V
POWER SUPPLY (MAXIMUM)	3.67V
MAXIMUM "OFF" VOLTAGE	0.47V
MINIMUM "ON" VOLTAGE	0.75V
SATURATION VOLTAGE	0.81V
MINIMUM DRIVE VOLTAGE	1.80V
LOW LEVEL VOLTAGE FOR LEAKAGE CHECK	0.40V

FIGURE 5-5 WIRING AND LOGIC DIAGRAMS FOR HALF ADDER

TABLE 5-V. TEST RESULTS FOR HALF ADDER

FILE NAME: SC2212A		TITLE: DEVICE: HALF ADDER		MOTOROLA PART NO.: SC2212		VOLVO PART NO.: 27-10335		17 SEP 75	
SERIAL	1 1967 I (IN) (1)	2 1975 I (IN) (1)	3 DELTA I (IN) (1)	4 1967 I (IN) (1)	5 1975 I (IN) (1)	6 DELTA I (IN) (1)	7 1967 I (IN) (1)	8 1975 I (OUT) (1)	9 DELTA I (OUT) (1)
00120001	8.390E-05	9.350E-05	4.000E-07	8.520E-05	8.510E-05	1.000E-07	5.630E-04	5.660E-04	-2.100E-04
00120002	9.410E-05	9.450E-05	-4.000E-07	9.190E-05	9.250E-05	-6.000E-07	6.130E-04	6.150E-04	-1.600E-05
00120003	8.700E-05	8.500E-05	2.000E-06	8.800E-05	8.630E-05	1.700E-06	5.960E-04	5.910E-04	-5.000E-06
00120004	9.170E-05	9.000E-05	1.700E-06	9.150E-05	9.090E-05	6.000E-07	6.140E-04	6.190E-04	-4.100E-06
00120005	8.640E-05	8.640E-05	2.670E-06	8.870E-05	8.650E-05	2.200E-06	6.080E-04	6.150E-04	-6.600E-06
00120006	8.890E-05	8.840E-05	5.000E-07	8.800E-05	8.770E-05	3.000E-07	6.040E-04	6.080E-04	-4.000E-06
00120012	9.050E-05	9.250E-05	-2.000E-06	9.970E-05	9.160E-05	-1.900E-06	6.870E-04	5.350E-04	2.400E-06
00120015	8.780E-05	8.950E-05	-1.700E-06	8.760E-05	8.950E-05	-1.900E-06	5.970E-04	5.950E-04	2.600E-06
00120017	9.040E-05	9.640E-05	-6.000E-06	9.030E-05	9.670E-05	-5.900E-06	5.130E-04	6.010E-04	9.400E-06
00120020	8.850E-05	8.940E-05	-9.000E-07	8.810E-05	8.920E-05	-1.100E-06	6.060E-04	5.970E-04	-1.000E-06
00120023	9.190E-05	9.260E-05	-7.000E-07	9.200E-05	9.290E-05	-9.000E-07	6.030E-04	6.040E-04	-7.000E-07
00120032	8.230E-05	8.340E-05	-1.100E-06	8.130E-05	8.230E-05	-1.000E-06	5.220E-04	5.220E-04	0.0
00120029	9.300E-05	9.320E-05	-2.000E-07	9.210E-05	9.280E-05	-4.000E-07	6.460E-04	6.480E-04	-2.000E-06
00120034	8.350E-05	8.850E-05	0.0	8.810E-05	8.870E-05	-1.000E-06	5.440E-04	5.460E-04	-3.300E-06
00120035	8.310E-05	8.700E-05	3.100E-06	8.910E-05	8.500E-05	4.000E-07	6.130E-04	6.170E-04	-3.400E-06
00120037	8.970E-05	8.980E-05	-1.000E-07	8.930E-05	8.940E-05	-9.000E-07	6.040E-04	6.060E-04	-1.700E-06
00120040	9.290E-05	9.380E-05	-9.000E-07	9.330E-05	9.420E-05	-9.000E-07	5.890E-04	5.940E-04	-4.100E-06
00120041	8.670E-05	8.650E-05	3.000E-07	8.750E-05	8.770E-05	3.000E-07	5.890E-04	5.940E-04	-4.100E-06
00120043	8.600E-05	8.500E-05	-1.000E-06	9.240E-05	9.390E-05	-1.000E-06	6.460E-04	6.480E-04	-1.200E-06
00120046	9.690E-05	9.780E-05	-9.000E-07	9.520E-05	9.650E-05	-1.300E-06	6.850E-04	6.860E-04	-6.000E-07
00120049	9.080E-05	9.080E-05	0.0	8.570E-05	8.630E-05	-1.000E-06	5.560E-04	5.590E-04	-2.100E-06
00120050	8.540E-05	8.550E-05	-1.100E-06	8.520E-05	8.630E-05	-1.200E-06	5.460E-04	5.490E-04	-2.000E-06
00120053	8.510E-05	8.500E-05	1.000E-07	8.490E-05	8.490E-05	1.000E-07	5.330E-04	5.360E-04	-2.500E-06
00120054	9.130E-05	9.230E-05	1.000E-06	8.940E-05	9.230E-05	1.200E-06	6.140E-04	6.190E-04	-4.200E-06
00120057	8.840E-05	9.150E-05	-1.100E-06	8.930E-05	9.110E-05	-2.900E-06	6.230E-04	6.170E-04	3.900E-06
00120058	8.720E-05	9.040E-05	-3.200E-06	8.690E-05	8.930E-05	-2.900E-06	5.110E-04	5.070E-04	4.200E-06
00120059	8.580E-05	8.600E-05	-2.000E-07	8.600E-05	8.650E-05	-5.000E-07	5.490E-04	5.510E-04	-1.700E-06
00120061	7.960E-05	7.760E-05	2.000E-06	7.990E-05	7.890E-05	-1.600E-06	5.630E-04	5.710E-04	-7.100E-06
00120062	8.860E-05	8.950E-05	-9.000E-07	8.770E-05	8.950E-05	-9.000E-07	5.880E-04	5.880E-04	0.0
00120063	8.940E-05	8.860E-05	1.200E-06	8.940E-05	8.840E-05	1.000E-06	6.020E-04	6.070E-04	-4.700E-06
00120064	8.960E-05	8.950E-05	1.000E-07	8.960E-05	8.840E-05	2.000E-07	6.140E-04	6.170E-04	-3.200E-06
00120066	9.020E-05	8.820E-05	1.000E-06	8.600E-05	8.500E-05	1.000E-06	5.990E-04	6.030E-04	-4.300E-06
00120067	9.530E-05	9.540E-05	-1.000E-07	9.570E-05	9.590E-05	-2.300E-07	6.610E-04	6.630E-04	-2.900E-06
00120069	8.830E-05	8.800E-05	3.000E-07	8.800E-05	8.780E-05	2.300E-07	5.970E-04	5.910E-04	3.400E-06
00120070	8.470E-05	8.000E-05	7.000E-07	8.900E-05	8.850E-05	5.000E-07	5.830E-04	5.920E-04	-3.400E-06
00120071	9.440E-05	8.850E-05	9.000E-07	9.930E-05	8.850E-05	-1.000E-06	5.460E-04	5.490E-04	-2.500E-06
00120073	8.450E-05	8.480E-05	-3.000E-07	8.270E-05	8.280E-05	-1.000E-07	5.500E-04	5.520E-04	-1.600E-06
00120074	8.530E-05	8.420E-05	1.000E-07	8.880E-05	8.610E-05	2.700E-07	5.240E-04	5.400E-04	-1.700E-06
00120077	8.950E-05	8.740E-05	7.000E-07	8.880E-05	8.910E-05	7.000E-07	6.110E-04	6.150E-04	-3.700E-06
00120078	9.070E-05	8.740E-05	1.900E-06	9.030E-05	8.840E-05	1.900E-06	5.660E-04	5.720E-04	-5.300E-06
00120080	9.620E-05	8.860E-05	1.600E-06	9.600E-05	8.740E-05	1.600E-06	5.760E-04	5.810E-04	-4.600E-06
00120082	9.470E-05	9.390E-05	8.000E-07	9.500E-05	9.420E-05	8.000E-07	6.240E-04	6.300E-04	-3.500E-06
00120086	9.050E-05	8.950E-05	6.000E-07	9.010E-05	8.910E-05	1.000E-06	5.990E-04	5.940E-04	-4.600E-06
00120088	9.330E-05	8.770E-05	6.000E-07	9.940E-05	8.910E-05	7.000E-07	5.320E-04	5.360E-04	-3.900E-06
00120089	9.330E-05	9.110E-05	2.200E-06	9.270E-05	9.130E-05	1.400E-06	6.070E-04	6.140E-04	-6.300E-06
00120090	8.860E-05	8.960E-05	-2.100E-06	8.660E-05	8.970E-05	-1.700E-06	5.970E-04	5.970E-04	1.500E-06
00120093	8.300E-05	8.450E-05	-1.400E-06	8.220E-05	8.340E-05	-1.200E-06	5.540E-04	5.540E-04	5.000E-07
00120095	8.200E-05	8.360E-05	1.400E-06	9.100E-05	8.010E-05	3.000E-07	5.340E-04	5.390E-04	-4.400E-06
00120097	9.480E-05	9.220E-05	6.000E-07	9.160E-05	8.600E-05	5.000E-07	6.240E-04	5.890E-04	3.400E-06
00120098	9.360E-05	9.160E-05	-1.100E-07	9.260E-05	9.130E-05	-6.000E-07	6.240E-04	6.310E-04	-1.100E-06

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TABLE S-V. TEST RESULTS FOR HALF ADDER (Continued)

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FILE NAME: SC22124M		TITLE: DEVICE: HALF ADDER		MOTOROLA PART NO.: SC2212		AGEING PART NO.: 27-10335		DELTA	
SERIAL	1 1967		2 1975		3 1967		4 1975		DELTA
	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
00120202	8.340E-05	9.320E-05	9.320E-05	2.000E-07	8.140E-05	2.000E-07	5.310E-04	5.310E-04	-1.700E-06
00120203	9.750E-05	9.710E-05	9.710E-05	4.000E-07	9.520E-05	4.000E-07	5.920E-04	5.920E-04	-3.600E-06
00120205	9.580E-05	9.260E-05	9.260E-05	3.200E-06	9.590E-05	3.200E-06	6.530E-04	6.530E-04	-8.500E-06
00120211	8.640E-05	8.510E-05	8.510E-05	1.300E-06	8.630E-05	1.300E-06	6.090E-04	6.090E-04	-6.000E-06
00120214	8.870E-05	8.860E-05	8.860E-05	1.000E-07	8.730E-05	1.000E-07	6.190E-04	6.190E-04	-2.500E-06
00120216	9.530E-05	1.007E-04	1.007E-04	5.400E-06	9.570E-05	5.400E-06	6.800E-04	6.800E-04	7.000E-06
00120217	8.510E-05	8.520E-05	8.520E-05	1.000E-07	8.570E-05	1.000E-07	5.630E-04	5.630E-04	-1.200E-06
00120221	8.640E-05	8.910E-05	8.910E-05	3.000E-07	8.950E-05	3.000E-07	5.690E-04	5.690E-04	-3.300E-06
00120223	9.020E-05	9.090E-05	9.090E-05	6.000E-07	8.890E-05	6.000E-07	6.050E-04	6.050E-04	-1.600E-06
00120224	8.730E-05	8.700E-05	8.700E-05	5.000E-06	8.810E-05	5.000E-06	5.890E-04	5.890E-04	-1.400E-06
00120226	9.900E-05	9.770E-05	9.770E-05	2.800E-06	9.700E-05	2.800E-06	6.000E-04	6.000E-04	2.400E-06
00120227	8.660E-05	9.020E-05	9.020E-05	3.400E-06	8.930E-05	3.400E-06	5.900E-04	5.900E-04	5.000E-06
00120229	8.690E-05	8.690E-05	8.690E-05	0.0	8.730E-05	0.0	5.770E-04	5.770E-04	-3.100E-06
00120231	8.580E-05	8.520E-05	8.520E-05	6.000E-07	8.290E-05	6.000E-07	5.450E-04	5.450E-04	-3.900E-06
00120232	9.400E-05	9.560E-05	9.560E-05	6.000E-07	9.260E-05	6.000E-07	6.210E-04	6.210E-04	-9.580E-06
00120235	9.130E-05	9.140E-05	9.140E-05	-1.000E-07	9.060E-05	-1.000E-07	5.740E-04	5.740E-04	-1.400E-06
00120237	8.660E-05	8.660E-05	8.660E-05	0.0	8.570E-05	0.0	5.030E-04	5.030E-04	-2.600E-06
00120239	8.810E-05	8.820E-05	8.820E-05	-1.000E-07	8.710E-05	-1.000E-07	5.190E-04	5.190E-04	-2.000E-06
00120244	8.560E-05	8.560E-05	8.560E-05	0.0	8.680E-05	0.0	5.460E-04	5.460E-04	-2.600E-06
00120245	8.750E-05	8.890E-05	8.890E-05	6.000E-07	8.640E-05	6.000E-07	5.960E-04	5.960E-04	-2.800E-06
00120249	8.900E-05	8.520E-05	8.520E-05	-3.000E-06	8.400E-05	-3.000E-06	5.560E-04	5.560E-04	-1.200E-06
00120250	9.540E-05	9.540E-05	9.540E-05	4.000E-07	9.480E-05	4.000E-07	5.690E-04	5.690E-04	-3.100E-06
00120251	9.430E-05	8.140E-05	8.140E-05	0.000E-07	8.600E-05	0.000E-07	5.370E-04	5.370E-04	-4.400E-06
00120252	9.120E-05	9.400E-05	9.400E-05	-2.800E-06	9.050E-05	-2.800E-06	6.330E-04	6.330E-04	3.300E-06
00120255	9.090E-05	9.140E-05	9.140E-05	-5.000E-07	9.090E-05	-5.000E-07	6.030E-04	6.030E-04	-2.500E-06
00120257	9.060E-05	9.060E-05	9.060E-05	0.0	8.900E-05	0.0	6.110E-04	6.110E-04	-1.400E-06
00120259	9.480E-05	9.270E-05	9.270E-05	-3.400E-06	8.800E-05	-3.400E-06	5.830E-04	5.830E-04	5.200E-06
00120260	9.020E-05	9.020E-05	9.020E-05	0.0	8.990E-05	0.0	5.930E-04	5.930E-04	-2.100E-06
00120262	8.420E-05	8.350E-05	8.350E-05	7.000E-07	8.490E-05	7.000E-07	5.560E-04	5.560E-04	-2.600E-06
00120264	8.590E-05	8.460E-05	8.460E-05	1.300E-06	8.370E-05	1.300E-06	5.560E-04	5.560E-04	-4.500E-06
00120268	8.370E-05	8.340E-05	8.340E-05	3.000E-07	8.440E-05	3.000E-07	5.730E-04	5.730E-04	-2.400E-06
00120270	9.020E-05	9.020E-05	9.020E-05	0.0	8.910E-05	0.0	6.050E-04	6.050E-04	-1.400E-06
00120272	9.340E-05	9.290E-05	9.290E-05	5.000E-07	9.290E-05	5.000E-07	5.890E-04	5.890E-04	-3.000E-06
00120273	8.980E-05	8.860E-05	8.860E-05	9.000E-07	8.650E-05	9.000E-07	5.920E-04	5.920E-04	-3.500E-06
00120275	9.750E-05	9.270E-05	9.270E-05	-2.000E-07	9.030E-05	-2.000E-07	6.030E-04	6.030E-04	-4.200E-06
00120276	8.970E-05	8.870E-05	8.870E-05	1.500E-06	9.030E-05	1.500E-06	5.910E-04	5.910E-04	-3.500E-06
00120278	9.310E-05	9.270E-05	9.270E-05	0.000E-07	9.300E-05	0.000E-07	5.120E-04	5.120E-04	-3.500E-06
00120281	9.000E-05	9.060E-05	9.060E-05	1.500E-06	8.960E-05	1.500E-06	6.110E-04	6.110E-04	-4.300E-06
00120284	9.040E-05	9.150E-05	9.150E-05	2.400E-06	9.340E-05	2.400E-06	5.940E-04	5.940E-04	-3.000E-06
00120286	8.470E-05	8.280E-05	8.280E-05	6.100E-06	8.920E-05	6.100E-06	6.380E-04	6.380E-04	-8.200E-06
00120283	9.590E-05	9.230E-05	9.230E-05	3.600E-06	9.620E-05	3.600E-06	5.810E-04	5.810E-04	-1.260E-05
00120292	9.450E-05	9.400E-05	9.400E-05	5.000E-07	9.460E-05	5.000E-07	6.140E-04	6.140E-04	-6.400E-06
00120293	9.300E-05	9.280E-05	9.280E-05	3.200E-06	9.190E-05	3.200E-06	6.320E-04	6.320E-04	-2.200E-06
00120295	9.740E-05	9.560E-05	9.560E-05	2.200E-06	9.710E-05	2.200E-06	5.190E-04	5.190E-04	-8.800E-06
00120298	9.430E-05	9.450E-05	9.450E-05	3.000E-06	9.670E-05	3.000E-06	5.510E-04	5.510E-04	-8.200E-06
00120302	9.580E-05	9.190E-05	9.190E-05	2.000E-06	9.790E-05	2.000E-06	5.990E-04	5.990E-04	-6.400E-06
00120304	1.011E-04	9.640E-05	9.640E-05	4.700E-06	9.850E-05	4.700E-06	6.720E-04	6.720E-04	-1.090E-05
00120305	8.560E-05	8.190E-05	8.190E-05	3.700E-06	8.430E-05	3.700E-06	5.870E-04	5.870E-04	-9.300E-06
00120307	9.510E-05	9.190E-05	9.190E-05	1.200E-06	8.470E-05	1.200E-06	5.900E-04	5.900E-04	-6.600E-06

TABLE 5-V. TEST RESULTS FOR HALF ADDER (Continued)

FILE NAME: SC221249		TITLE: DEVICE: HALF ADDER		WATSONIA PART NO.: 5C2212		GOEING PART NO.: 27-10335		17 SEP 75	
SERIAL	1 1967 I (IN) (1)	2 1975 I (IN) (1)	3 DELTA I (IN) (1)	4 1967 I (IN) (3)	5 1975 I (IN) (3)	6 DELTA I (IN) (3)	7 1967 I (OUT) (7-1)	8 1975 I (OUT) (7-1)	9 DELTA I (OUT) (7-1)
00120309	9.280E-05	9.720E-05	5.600E-06	9.270E-05	8.780E-05	4.900E-06	6.001E-04	5.630E-04	3.710E-05
00120309	1.003E-04	9.480E-05	5.500E-06	9.490E-05	9.32E-05	5.670E-06	6.72E-04	5.85E-04	1.702E-05
00120310	9.800E-05	9.800E-05	4.800E-06	9.370E-05	9.970E-05	4.500E-06	5.855E-04	5.970E-04	1.150E-05
00120311	9.013E-05	9.050E-05	4.000E-07	8.890E-05	9.700E-05	1.000E-07	5.81E-04	5.830E-04	1.500E-06
00120312	9.070E-05	9.630E-05	4.400E-06	9.100E-05	8.600E-05	4.400E-06	5.815E-04	5.950E-04	1.150E-05
00120313	9.710E-05	9.260E-05	4.500E-06	9.480E-05	9.070E-05	4.100E-06	6.31E-04	5.410E-04	9.900E-06
00120316	9.890E-05	9.840E-05	2.400E-06	8.340E-05	8.500E-05	2.500E-06	5.17E-04	5.36E-04	5.000E-06
00120319	9.140E-05	8.420E-05	3.600E-06	9.700E-05	8.930E-05	3.000E-06	5.93E-04	5.95E-04	8.700E-06
00120320	9.360E-05	8.860E-05	5.000E-06	9.130E-05	8.770E-05	4.100E-06	5.99E-04	6.110E-04	1.140E-05
00120322	9.610E-05	9.260E-05	3.500E-06	9.360E-05	9.070E-05	3.600E-06	6.15E-04	6.27E-04	9.800E-06
00120323	9.290E-05	8.940E-05	3.400E-06	9.260E-05	8.980E-05	3.100E-06	5.82E-04	5.910E-04	8.530E-06
00120326	9.660E-05	9.250E-05	4.100E-06	9.410E-05	9.230E-05	4.100E-06	5.805E-04	6.110E-04	1.040E-05
00120327	9.220E-05	8.990E-05	3.700E-06	9.210E-05	8.950E-05	3.700E-06	5.87E-04	5.970E-04	9.300E-06
00120328	9.530E-05	9.270E-05	3.100E-06	9.790E-05	8.940E-05	3.500E-06	5.94E-04	6.08E-04	9.700E-06
00120335	9.280E-05	9.650E-05	4.100E-06	9.180E-05	8.930E-05	4.000E-06	5.21E-04	5.300E-04	8.800E-06
00120336	9.400E-05	9.000E-05	3.100E-06	9.150E-05	8.830E-05	3.000E-06	5.920E-04	5.990E-04	7.000E-06
00120338	8.290E-05	8.070E-05	2.200E-06	8.180E-05	7.900E-05	2.000E-06	5.39E-04	5.470E-04	7.300E-06
00120341	9.440E-05	9.160E-05	2.900E-06	9.230E-05	8.960E-05	2.900E-06	6.150E-04	6.23E-04	7.100E-06
00120343	9.590E-05	9.010E-05	8.000E-07	9.060E-05	8.800E-05	6.000E-07	6.194E-04	6.430E-04	3.600E-06
00120344	9.450E-05	9.150E-05	3.000E-06	9.460E-05	9.190E-05	3.100E-06	5.860E-04	5.940E-04	8.900E-06
00120346	6.440E-05	6.360E-05	3.900E-06	6.430E-05	6.32E-05	3.800E-06	5.57E-04	6.07E-04	9.300E-06
00120347	9.850E-05	9.760E-05	9.000E-07	9.720E-05	9.610E-05	1.100E-06	6.56E-04	6.61E-04	8.800E-06
00120349	9.370E-05	9.080E-05	3.700E-06	9.220E-05	8.940E-05	3.600E-06	5.94E-04	6.040E-04	9.400E-06
00120352	9.460E-05	8.140E-05	3.700E-06	8.480E-05	8.270E-05	2.600E-06	5.19E-04	5.270E-04	7.300E-06
00120353	9.330E-05	8.910E-05	4.700E-06	9.370E-05	9.090E-05	3.700E-06	5.920E-04	6.040E-04	1.110E-05
00120354	9.200E-05	8.110E-05	3.900E-06	9.190E-05	9.010E-05	3.800E-06	6.02E-04	5.11E-04	9.400E-06
00120355	9.760E-05	9.350E-05	3.100E-06	9.660E-05	9.430E-05	2.600E-06	6.25E-04	6.33E-04	7.400E-06
00120356	9.650E-05	9.320E-05	3.500E-06	9.760E-05	9.430E-05	3.200E-06	6.41E-04	5.500E-04	8.900E-06
00120358	8.500E-05	8.100E-05	4.000E-06	8.560E-05	8.160E-05	4.000E-06	5.54E-04	5.630E-04	8.900E-06
00120359	8.470E-05	8.140E-05	3.100E-06	8.480E-05	8.200E-05	2.900E-06	5.44E-04	5.510E-04	6.700E-06
00120360	1.012E-04	8.330E-05	4.700E-06	9.920E-05	9.430E-05	4.700E-06	6.81E-04	5.910E-04	1.150E-05
00120362	9.520E-05	9.240E-05	2.900E-06	9.320E-05	9.050E-05	2.700E-06	5.47E-04	5.470E-04	5.800E-06
00120364	9.260E-05	9.330E-05	2.300E-06	9.310E-05	9.030E-05	2.300E-06	6.33E-04	6.060E-04	8.000E-06
00120375	9.790E-05	9.500E-05	2.700E-06	9.790E-05	9.430E-05	3.030E-06	5.97E-04	6.09E-04	8.600E-06
00120376	9.660E-05	9.270E-05	4.500E-06	9.420E-05	9.210E-05	4.100E-06	5.97E-04	6.09E-04	1.130E-05
00120377	9.920E-05	9.440E-05	1.900E-06	8.990E-05	8.890E-05	1.700E-06	5.96E-04	6.02E-04	5.100E-05
00120379	9.940E-05	9.760E-05	1.800E-06	8.990E-05	8.900E-05	1.700E-06	5.96E-04	6.02E-04	4.700E-06
00120380	9.540E-05	9.500E-05	2.300E-07	9.370E-05	9.360E-05	1.000E-07	6.46E-04	6.460E-04	2.400E-06
00120384	9.210E-05	9.050E-05	1.500E-06	9.010E-05	8.930E-05	1.500E-06	5.82E-04	5.820E-04	4.600E-06
00120385	9.760E-05	8.570E-05	2.700E-06	8.670E-05	8.460E-05	2.600E-06	5.76E-04	5.840E-04	7.600E-06
00120451	9.010E-05	8.910E-05	1.000E-06	8.950E-05	8.830E-05	7.100E-07	5.92E-04	5.980E-04	4.300E-06
00120452	9.660E-05	9.580E-05	8.700E-07	9.520E-05	9.420E-05	1.000E-06	6.21E-04	6.240E-04	6.900E-06
00120454	9.630E-05	9.560E-05	3.900E-06	9.650E-05	9.580E-05	3.700E-06	5.92E-04	6.02E-04	8.500E-06
00120455	9.370E-05	8.500E-05	7.300E-06	9.370E-05	8.500E-05	8.700E-06	5.63E-04	5.630E-04	4.540E-05
00120459	9.190E-05	8.700E-05	2.400E-06	9.260E-05	8.930E-05	3.100E-06	6.02E-04	6.020E-04	8.600E-06
00120460	9.490E-05	8.420E-05	2.700E-06	8.930E-05	8.630E-05	2.600E-06	5.76E-04	5.810E-04	6.500E-06
00120461	9.530E-05	8.190E-05	3.400E-06	9.360E-05	8.050E-05	3.800E-06	5.99E-04	5.060E-04	5.100E-06
00120516	9.250E-05	8.890E-05	2.700E-06	9.040E-05	8.660E-05	2.600E-06	6.22E-04	6.20E-04	7.000E-06
00120517	8.910E-05	8.420E-05	2.900E-06	8.880E-05	8.470E-05	2.500E-06	5.58E-04	5.580E-04	6.700E-06
00120518	9.340E-05	7.330E-05	3.100E-06	9.770E-05	8.440E-05	3.700E-06	6.05E-04	5.130E-04	7.600E-06

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TABLE 5-V. TEST RESULTS FOR HALF ADDER (Continued)

FILE NAME: SC22124M		TITLE: DEVICE: HALF ADDER		MOTOROLA PART NO.: 52212		MOTOROLA PART NO.: 27-13335		17 SEP 75	
SERIAL	1 1967 (11)	2 1975 (11)	3 DELTA (11)	4 1967 (11)	5 1975 (11)	6 DELTA (11)	7 1967 (11)	8 1975 (11)	9 DELTA (11)
00120519	9.565E-05	9.310E-05	2.500E-06	9.650E-05	9.400E-05	2.500E-06	6.110E-04	6.200E-04	-8.100E-06
00120520	1.022E-04	9.910E-05	1.100E-06	9.890E-05	9.750E-05	1.100E-06	6.660E-04	6.710E-04	-4.100E-06
00120522	7.820E-05	7.260E-05	2.600E-06	9.660E-05	9.280E-05	3.800E-06	6.380E-04	6.150E-04	-1.020E-05
00120523	9.340E-05	9.130E-05	-9.000E-07	9.060E-05	9.150E-05	-9.000E-07	6.112E-04	6.110E-04	2.000E-07
00120525	9.620E-05	9.660E-05	1.600E-06	9.810E-05	9.440E-05	1.600E-06	6.340E-04	6.400E-04	-5.230E-06
00120528	9.413E-05	9.540E-05	-1.300E-06	9.410E-05	9.560E-05	-1.300E-06	6.140E-04	6.150E-04	-2.000E-07
00120529	9.190E-05	9.020E-05	1.700E-06	9.100E-05	8.960E-05	1.400E-06	6.030E-04	6.090E-04	-5.100E-06
00120530	9.410E-05	9.090E-05	3.200E-06	9.190E-05	8.840E-05	3.000E-06	6.104E-04	6.180E-04	-7.700E-06
00120531	7.790E-05	9.310E-05	4.800E-06	9.870E-05	9.360E-05	4.600E-06	6.450E-04	6.580E-04	-1.230E-05
00120532	9.660E-05	9.980E-05	4.800E-06	9.290E-05	8.860E-05	4.400E-06	6.140E-04	6.250E-04	-1.050E-05
00120533	9.200E-05	8.860E-05	3.400E-06	9.170E-05	8.830E-05	3.400E-06	6.310E-04	6.500E-04	-8.400E-06
00120534	8.880E-05	8.840E-05	4.000E-07	8.530E-05	8.590E-05	4.000E-07	5.740E-04	5.770E-04	-2.700E-05
00120540	8.130E-05	8.100E-05	-5.200E-07	8.290E-05	8.330E-05	-5.000E-07	5.680E-04	5.700E-04	-1.000E-06
00120565	8.380E-05	8.040E-05	4.000E-07	8.030E-05	8.070E-05	-2.000E-07	5.750E-04	5.790E-04	-2.700E-06
00120666	9.270E-05	9.280E-05	-1.000E-07	9.090E-05	9.120E-05	-1.000E-07	5.630E-04	5.650E-04	-1.100E-06
00120668	7.730E-05	7.810E-05	-8.000E-07	7.600E-05	7.750E-05	-9.000E-07	5.450E-04	5.490E-04	-2.300E-06
00120670	8.130E-05	8.180E-05	-3.000E-07	8.240E-05	8.290E-05	-3.000E-07	5.620E-04	5.650E-04	-2.700E-06
00120673	9.120E-05	9.090E-05	3.000E-07	9.300E-05	9.230E-05	5.000E-07	5.830E-04	5.830E-04	-2.400E-06
00120674	9.230E-05	9.190E-05	4.000E-07	9.230E-05	9.270E-05	1.000E-07	6.020E-04	6.040E-04	-3.500E-06
00120675	7.990E-05	7.970E-05	2.000E-07	8.070E-05	8.060E-05	1.000E-07	5.630E-04	5.640E-04	-3.400E-06
00120677	9.250E-05	9.110E-05	-6.000E-07	9.140E-05	9.200E-05	-6.000E-07	6.071E-04	6.090E-04	-1.900E-06
00120691	7.260E-05	7.360E-05	-1.000E-06	7.160E-05	7.290E-05	-1.000E-06	5.640E-04	5.670E-04	-1.001E-07
00120737	8.180E-05	8.160E-05	-8.000E-07	8.270E-05	8.500E-05	-8.000E-07	5.860E-04	5.850E-04	-6.00E-07
00120738	8.180E-05	8.140E-05	4.000E-07	8.160E-05	8.150E-05	4.000E-07	5.860E-04	5.870E-04	-2.800E-06
00120740	7.490E-05	8.000E-05	-1.100E-06	7.200E-05	7.900E-05	-8.000E-07	5.410E-04	5.420E-04	-1.001E-07
00120750	9.010E-05	8.900E-05	1.200E-06	9.010E-05	8.790E-05	1.200E-06	5.750E-04	5.790E-04	-4.000E-06
00120751	9.440E-05	9.170E-05	2.700E-06	8.920E-05	8.720E-05	2.000E-06	5.970E-04	6.020E-04	-5.000E-06
00120752	9.050E-05	8.840E-05	2.100E-06	8.920E-05	8.720E-05	2.000E-06	5.870E-04	5.940E-04	-6.700E-06
00120756	9.140E-05	8.700E-05	4.300E-06	8.920E-05	8.300E-05	6.200E-06	5.870E-04	5.890E-04	-4.940E-05
00120811	9.030E-05	8.910E-05	1.200E-06	9.020E-05	8.910E-05	1.100E-06	5.820E-04	5.860E-04	-3.500E-06
00120812	8.280E-05	8.600E-05	3.800E-06	8.610E-05	9.000E-05	6.100E-06	6.240E-04	5.700E-04	5.470E-06
00120820	8.840E-05	8.910E-05	-7.000E-07	8.660E-05	8.720E-05	-6.000E-07	5.760E-04	5.760E-04	-1.400E-06
00120822	9.030E-05	8.900E-05	1.100E-06	8.660E-05	8.400E-05	4.600E-06	5.800E-04	5.820E-04	-4.800E-05
00120824	8.080E-05	9.060E-05	2.000E-07	9.000E-05	8.690E-05	2.000E-07	6.110E-04	6.140E-04	-2.900E-06
00120825	9.470E-05	9.000E-05	4.700E-06	9.370E-05	8.800E-05	4.700E-06	7.090E-04	6.400E-04	6.580E-05
00120827	9.260E-05	9.340E-05	-8.000E-07	8.700E-05	9.060E-05	-8.000E-07	6.340E-04	6.370E-04	-8.000E-07
00120828	8.900E-05	8.960E-05	3.000E-07	8.890E-05	8.800E-05	0.0	5.730E-04	5.740E-04	-1.000E-06
00120885	8.370E-05	8.360E-05	3.000E-07	8.370E-05	8.300E-05	2.000E-07	5.820E-04	5.760E-04	-3.300E-06
00120889	9.000E-05	9.150E-05	-6.000E-07	8.950E-05	9.040E-05	-9.000E-07	6.230E-04	6.270E-04	-1.200E-06
00120890	8.870E-05	8.710E-05	1.600E-06	8.860E-05	8.840E-05	1.300E-06	5.830E-04	5.910E-04	-5.700E-06
00120892	8.180E-05	8.230E-05	-5.000E-07	8.290E-05	8.450E-05	-5.000E-07	5.820E-04	5.820E-04	-1.800E-06
00120893	9.020E-05	9.100E-05	-8.000E-07	9.010E-05	9.120E-05	-1.100E-06	5.850E-04	5.870E-04	-6.000E-06
00120895	9.030E-05	9.060E-05	-3.200E-07	8.970E-05	8.960E-05	-3.000E-07	5.850E-04	5.850E-04	-2.000E-07
00120897	7.430E-05	7.670E-05	-4.000E-07	7.400E-05	7.530E-05	-3.000E-07	5.850E-04	5.840E-04	-3.400E-06
00120899	9.130E-05	8.850E-05	-4.000E-07	8.810E-05	8.840E-05	-3.000E-07	5.810E-04	5.810E-04	-2.200E-06
00120920	8.080E-05	9.000E-05	-2.000E-07	8.990E-05	8.980E-05	0.0	5.660E-04	5.760E-04	-2.000E-05
00120961	8.500E-05	8.400E-05	-1.000E-06	8.650E-05	8.760E-05	-1.100E-06	5.660E-04	5.640E-04	1.001E-07
00120969	8.430E-05	8.750E-05	-5.000E-07	8.650E-05	8.610E-05	-9.000E-07	5.580E-04	5.600E-04	-1.000E-06
00121033	8.930E-05	8.720E-05	2.100E-06	8.870E-05	8.610E-05	2.100E-06	5.580E-04	5.530E-04	-5.000E-06

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TABLE 5-V. TEST RESULTS FOR HALF ADDER (Continued)

FILE NAME: SC2212A8		TITLE: DEVICE: HALF ADDER		MOTOROLA PART NO.: SC2212		GOING PART NO.: 27-10335		17 SEP 75	
SERIAL	10 1967 V (OL) (6)	11 1975 V (OL) (6)	12 DELTA V (OL) (6)	13 1967 I (L) (8)	14 1975 I (L) (8)	15 DELTA I (L) (8)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00120001	9.450E-02	9.700E-02	1.500E-03	4.000E-07	1.730E-07	2.270E-07	9.000E-09	9.000E-09	0.0
00120002	0.1022	0.1010	1.200E-03	0.0	1.500E-07	-1.500E-07	7.000E-09	7.000E-09	-2.000E-09
00120003	7.760E-02	7.600E-02	1.600E-03	0.0	1.400E-07	-1.400E-07	6.000E-09	6.000E-09	5.000E-09
00120004	9.900E-02	9.200E-02	1.700E-03	0.0	1.450E-07	-1.450E-07	1.100E-08	1.100E-08	0.0
00120005	7.220E-02	7.100E-02	1.200E-03	4.000E-06	5.370E-07	3.460E-06	2.000E-09	2.000E-09	1.000E-09
00120006	9.740E-02	9.600E-02	7.400E-03	0.0	1.460E-07	-1.460E-07	1.000E-09	1.000E-09	0.0
00120007	0.1047	0.1070	1.700E-03	0.0	1.490E-07	-1.490E-07	6.000E-09	6.000E-09	-1.450E-07
00120008	9.920E-02	9.600E-02	3.200E-03	0.0	1.510E-07	-1.510E-07	1.300E-08	1.300E-08	-2.000E-09
00120009	9.410E-02	9.000E-02	4.100E-03	0.0	1.550E-07	-1.550E-07	1.300E-08	1.300E-08	2.000E-09
00120010	0.1014	0.900E-02	2.400E-03	0.0	1.500E-07	-1.500E-07	9.000E-09	9.000E-09	-2.000E-09
00120011	9.330E-02	9.200E-02	1.300E-03	0.0	1.480E-07	-1.480E-07	5.000E-09	5.000E-09	0.0
00120012	5.180E-02	5.200E-02	1.300E-03	3.000E-07	1.450E-07	1.350E-07	6.000E-09	6.000E-09	0.0
00120013	0.1019	0.1000	1.900E-03	0.0	1.470E-07	-1.470E-07	8.000E-09	8.000E-09	5.000E-09
00120014	9.450E-02	9.200E-02	2.500E-03	0.0	1.500E-07	-1.500E-07	4.000E-09	4.000E-09	-3.000E-09
00120015	6.900E-02	6.900E-02	4.000E-04	9.000E-06	6.500E-06	2.500E-06	3.000E-08	3.000E-08	5.000E-09
00120016	0.1014	0.1000	1.600E-03	0.0	1.490E-07	-1.490E-07	6.000E-09	6.000E-09	-5.000E-09
00120017	9.510E-02	9.500E-02	1.300E-03	3.000E-07	1.490E-07	1.500E-07	1.100E-08	1.100E-08	0.0
00120018	0.1040	0.1030	1.000E-03	0.0	1.470E-07	-1.470E-07	4.000E-09	4.000E-09	5.000E-09
00120019	0.1026	0.1010	1.600E-03	0.0	1.480E-07	-1.480E-07	4.000E-09	4.000E-09	2.000E-09
00120020	9.080E-02	7.900E-02	1.400E-03	0.0	1.480E-07	-1.480E-07	4.000E-09	4.000E-09	8.000E-09
00120021	7.510E-02	7.400E-02	1.300E-03	5.000E-06	7.300E-07	4.900E-06	2.000E-09	2.000E-09	-1.000E-09
00120022	6.240E-02	5.900E-02	1.400E-03	6.000E-07	1.470E-07	4.300E-07	4.000E-09	4.000E-09	3.000E-09
00120023	0.1018	0.1010	1.400E-03	0.0	1.470E-07	-1.470E-07	1.300E-08	1.300E-08	2.000E-09
00120024	0.1122	0.1060	3.200E-03	0.0	1.460E-07	-1.460E-07	1.700E-08	1.700E-08	-4.000E-09
00120025	7.170E-02	6.900E-02	2.700E-03	3.000E-06	5.070E-07	3.070E-06	7.000E-09	7.000E-09	-2.000E-09
00120026	7.190E-02	7.000E-02	1.900E-03	0.0	1.500E-07	-1.500E-07	3.000E-09	3.000E-09	2.000E-09
00120027	0.1139	0.1090	4.000E-03	0.0	1.470E-07	-1.470E-07	1.700E-08	1.700E-08	-1.400E-08
00120028	9.850E-02	9.600E-02	2.500E-03	4.200E-06	5.560E-07	3.420E-06	4.000E-09	4.000E-09	3.000E-09
00120029	9.330E-02	9.700E-02	1.300E-03	0.0	1.470E-07	-1.470E-07	1.000E-09	1.000E-09	0.0
00120030	0.1064	0.1050	1.400E-03	3.400E-06	4.930E-07	3.070E-06	3.000E-09	3.000E-09	2.000E-09
00120031	7.500E-02	7.400E-02	1.000E-03	8.000E-06	7.730E-07	7.420E-06	4.000E-09	4.000E-09	3.000E-09
00120032	0.1136	0.1120	1.600E-03	0.0	1.490E-07	-1.490E-07	2.000E-09	2.000E-09	1.000E-09
00120033	0.1004	0.1000	8.000E-04	0.0	1.470E-07	-1.470E-07	4.000E-09	4.000E-09	3.000E-09
00120034	9.940E-02	9.800E-02	1.500E-03	0.0	1.470E-07	-1.470E-07	1.100E-08	1.100E-08	2.000E-09
00120035	7.180E-02	9.000E-02	1.400E-03	0.0	1.400E-07	-1.400E-07	1.000E-09	1.000E-09	3.000E-09
00120036	5.790E-02	5.700E-02	9.000E-04	2.000E-07	1.500E-07	5.000E-06	4.000E-09	4.000E-09	-5.000E-09
00120037	5.760E-02	5.700E-02	6.000E-04	3.000E-07	1.500E-07	1.450E-07	2.000E-09	2.000E-09	1.000E-09
00120038	0.1114	0.1110	8.000E-04	0.0	1.490E-07	-1.490E-07	3.000E-09	3.000E-09	6.000E-09
00120039	9.310E-02	9.100E-02	2.100E-03	2.700E-06	4.030E-07	2.320E-06	4.000E-09	4.000E-09	-1.000E-09
00120040	6.220E-02	5.100E-02	1.200E-03	4.000E-07	1.690E-07	2.320E-07	4.000E-09	4.000E-09	3.000E-09
00120041	0.1134	0.1130	4.000E-04	1.400E-06	2.670E-07	1.130E-06	5.000E-09	5.000E-09	-5.000E-09
00120042	9.470E-02	9.500E-02	1.700E-03	0.0	1.470E-07	-1.470E-07	3.000E-09	3.000E-09	2.000E-09
00120043	9.170E-02	9.400E-02	2.100E-03	6.000E-06	7.840E-07	4.110E-06	4.000E-09	4.000E-09	4.000E-09
00120044	0.1041	0.1040	1.300E-04	4.500E-06	9.740E-07	7.570E-06	5.000E-09	5.000E-09	4.000E-09
00120045	0.1044	0.1030	4.900E-03	0.0	1.490E-07	-1.490E-07	1.600E-08	1.600E-08	2.000E-09
00120046	9.200E-02	8.900E-02	3.000E-03	0.0	1.480E-07	-1.480E-07	1.400E-08	1.400E-08	2.000E-09
00120047	6.630E-02	6.300E-02	3.300E-03	0.0	1.480E-07	-1.480E-07	2.000E-09	2.000E-09	-1.400E-09
00120048	0.1045	0.1040	-1.500E-03	0.0	4.000E-07	-4.000E-07	5.000E-09	5.000E-09	2.000E-09
00120049	9.660E-02	9.500E-02	1.000E-03	0.0	1.490E-07	-1.490E-07	1.500E-08	1.500E-08	-1.700E-09

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TABLE 5-V. TEST RESULTS FOR HALF ADDER (Continued)

FILE NAME: SC2212A		TITLE: DEVICE: HALF ADDER		MOTOROLA PART NO.: 52212		RECEIVING PART NO.: 27-10335		17 SEP 75	
SERIAL	10 1967 V (OL) (A)	11 1975 V (OL) (A)	12 DELTA V (OL) (A)	13 1967 I (L) (A)	14 1975 I (L) (A)	15 DELTA I (L) (A)	16 1967 I (RT) (A)	17 1975 I (RT) (A)	18 DELTA I (RT) (A)
00120103	9.490E-02	9.300E-02	1.900E-03	0.0	1.470E-07	-1.490E-07	1.900E-09	1.100E-09	7.000E-09
00120104	0.1009	0.1009	8.000E-04	0.0	1.510E-07	-1.510E-07	1.200E-03	1.100E-09	1.000E-09
00120105	5.020E-02	5.900E-02	1.200E-03	3.000E-07	1.550E-07	1.450E-07	0.0	1.000E-09	-1.000E-09
00120106	0.1049	0.1033	1.900E-03	3.000E-07	1.570E-07	1.430E-07	4.000E-03	1.000E-09	3.000E-09
00120110	9.520E-02	9.400E-02	1.200E-03	2.000E-07	1.500E-07	1.400E-07	2.800E-09	3.500E-09	-7.000E-09
00120112	9.490E-02	9.700E-02	1.900E-03	3.100E-06	4.470E-07	2.830E-06	2.300E-09	1.000E-09	1.000E-09
00120113	0.1052	0.1050	2.000E-04	0.0	1.490E-07	-1.490E-07	9.000E-09	1.100E-09	-3.000E-09
00120117	5.730E-02	5.600E-02	1.300E-03	3.000E-07	1.550E-07	1.450E-07	1.300E-09	1.100E-09	-1.000E-09
00120119	0.1029	0.1010	1.900E-03	0.0	1.470E-07	-1.470E-07	4.000E-09	1.000E-09	3.000E-09
00120120	0.1146	0.1140	6.000E-04	0.0	1.470E-07	-1.470E-07	9.000E-09	1.100E-09	-2.000E-09
00120123	9.570E-02	9.300E-02	2.700E-03	0.0	1.500E-07	-1.500E-07	1.500E-09	1.100E-09	4.000E-09
00120124	7.430E-02	7.200E-02	2.100E-03	1.100E-06	2.460E-07	9.540E-07	3.000E-09	1.300E-09	2.000E-09
00120126	6.160E-02	6.000E-02	1.400E-03	2.000E-07	1.670E-07	1.330E-07	3.000E-09	1.000E-09	2.000E-09
00120127	0.1050	0.1030	2.000E-03	0.0	1.480E-07	-1.480E-07	7.000E-09	9.000E-09	-2.000E-09
00120131	0.1022	0.1010	1.200E-03	0.0	1.500E-07	-1.500E-07	5.000E-09	1.000E-09	4.000E-09
00120132	9.480E-02	9.300E-02	2.800E-03	0.0	1.490E-07	-1.490E-07	1.200E-09	1.400E-09	-2.000E-09
00120133	9.800E-02	9.800E-02	1.800E-03	0.0	1.490E-07	-1.490E-07	4.000E-09	1.000E-09	3.000E-09
00120136	9.700E-02	8.300E-02	4.000E-03	8.700E-06	1.490E-07	-1.490E-07	2.000E-09	1.000E-09	0.0
00120137	0.1018	0.1000	1.800E-03	0.0	1.490E-07	-1.490E-07	1.300E-09	1.100E-09	7.000E-09
00120139	8.970E-02	8.700E-02	2.700E-03	5.900E-06	7.200E-07	5.170E-06	5.000E-09	1.000E-09	4.000E-09
00120140	9.390E-02	9.400E-02	-1.000E-04	7.000E-06	5.000E-06	2.000E-06	9.000E-09	6.000E-09	0.0
00120141	5.850E-02	5.900E-02	-5.000E-04	1.100E-05	7.700E-06	3.300E-05	3.000E-09	1.000E-09	2.000E-09
00120146	9.690E-02	9.500E-02	1.900E-03	7.000E-06	9.330E-07	6.167E-06	1.700E-09	1.200E-09	5.000E-09
00120147	9.720E-02	9.500E-02	2.200E-03	0.0	1.500E-07	-1.500E-07	2.400E-03	5.100E-09	-2.700E-09
00120148	0.1041	0.1030	1.100E-03	0.0	1.480E-07	-1.480E-07	3.000E-09	1.000E-09	7.000E-09
00120155	9.310E-02	9.200E-02	1.100E-03	3.000E-07	1.540E-07	-1.490E-07	7.000E-09	1.100E-09	-4.000E-09
00120156	0.1079	0.1060	1.000E-03	0.0	1.490E-07	-1.490E-07	5.000E-09	5.000E-09	0.0
00120161	0.1005	9.700E-02	3.500E-03	5.300E-06	6.660E-06	-1.160E-06	4.000E-09	1.000E-09	3.000E-09
00120163	0.1070	0.1000	2.000E-03	0.0	1.480E-07	-1.480E-07	1.100E-09	1.200E-09	-1.000E-09
00120164	0.1059	0.1050	9.000E-04	0.0	1.510E-07	-1.510E-07	2.700E-09	3.100E-09	-1.100E-09
00120168	0.1049	0.1040	9.000E-04	2.400E-06	3.750E-07	2.025E-06	1.000E-09	9.000E-09	-2.000E-09
00120169	6.310E-02	6.100E-02	2.100E-03	2.000E-07	1.460E-07	-1.460E-07	1.000E-09	1.000E-09	0.0
00120171	0.1099	0.1090	9.000E-04	0.0	1.480E-07	-1.480E-07	9.000E-09	1.000E-09	0.0
00120172	9.610E-02	9.300E-02	3.100E-03	0.0	1.510E-07	-1.510E-07	3.000E-03	4.000E-09	-2.000E-09
00120174	0.1036	0.1030	6.000E-04	3.100E-06	4.470E-07	2.650E-06	9.000E-09	1.100E-09	-6.000E-09
00120175	0.1154	0.1140	1.400E-03	0.0	1.490E-07	-1.490E-07	1.300E-09	1.100E-09	2.000E-09
00120178	0.1017	0.1000	1.700E-03	6.700E-06	9.000E-07	5.975E-06	2.000E-09	1.100E-09	9.000E-09
00120179	7.750E-02	7.600E-02	1.500E-03	8.200E-06	9.600E-07	7.240E-06	3.000E-09	1.000E-09	2.000E-09
00120180	0.1074	0.1070	-1.400E-03	0.0	5.000E-08	-5.000E-08	1.500E-09	1.100E-09	1.400E-09
00120181	0.1040	0.1030	3.000E-03	7.000E-07	2.140E-07	4.850E-07	9.000E-09	1.100E-09	-1.000E-09
00120184	0.1113	0.1090	2.300E-03	0.0	1.490E-07	-1.490E-07	7.000E-09	1.200E-09	-5.000E-09
00120186	9.250E-02	9.000E-02	2.500E-03	0.0	1.500E-07	-1.500E-07	2.000E-09	1.000E-09	1.000E-09
00120187	5.590E-02	5.400E-02	1.900E-03	4.300E-06	6.700E-07	3.720E-06	3.000E-09	1.000E-09	2.000E-09
00120190	9.270E-02	9.000E-02	2.800E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	0.0
00120193	9.240E-02	9.000E-02	2.700E-03	3.400E-06	4.700E-07	1.470E-07	1.000E-09	1.000E-09	-4.000E-09
00120194	7.740E-02	7.700E-02	4.000E-04	3.000E-07	1.510E-07	-1.510E-07	7.000E-09	1.100E-09	0.0
00120195	9.040E-02	8.900E-02	2.400E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	3.000E-09
00120197	9.690E-02	9.700E-02	2.900E-03	5.400E-06	6.700E-07	4.724E-06	4.000E-09	1.000E-09	1.000E-09
00120200	0.1025	0.1010	1.500E-03	0.0	1.490E-07	-1.490E-07	1.200E-09	1.100E-09	-3.000E-09
00120201	9.000E-02	9.000E-02	1.600E-03	0.0	1.490E-07	-1.490E-07	9.000E-09	1.100E-09	0.0

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TABLE 5-V. TEST RESULTS FOR HALF ADDER (Continued)

FILE NAME: SC2212AR		TITLE: DEVICE: HALF ADDER		MOTOROLA PART NO.: SC2212		AGEING PART NO.: 27-13335		17 SEP 75	
SERIAL	10 1967 V (UL) (6)	11 1975 V (UL) (6)	12 DELTA V (UL) (6)	13 1967 I (L) (8)	14 1975 I (L) (8)	15 DELTA I (L) (8)	16 1967 I (RT) 1 (RT)	17 1975 I (RT) 1 (RT)	18 DELTA I (RT) 1 (RT)
00120202	6.970E-02	6.800E-02	1.700E-03	0.0	1.480E-07	-1.480E-07	1.000E-09	1.000E-09	0.0
00120203	0.1066	0.1060	6.000E-04	3.000E-07	1.360E-07	1.360E-07	6.200E-08	6.200E-08	-2.000E-08
00120205	9.950E-02	9.800E-02	1.500E-03	4.000E-07	1.650E-07	2.350E-07	9.000E-09	1.100E-08	-2.000E-09
00120211	9.045E-02	7.900E-02	1.500E-03	1.200E-06	2.500E-07	9.500E-07	6.000E-09	1.100E-08	-5.000E-09
00120214	0.1048	0.1080	8.000E-04	0.0	1.470E-07	-1.470E-07	6.000E-09	9.000E-09	-3.000E-09
00120216	0.1001	9.500E-02	4.300E-03	4.300E-06	5.760E-07	3.774E-06	7.000E-09	9.000E-09	-2.000E-09
00120217	6.410E-02	6.200E-02	2.100E-03	4.000E-07	1.710E-07	2.290E-07	2.000E-09	1.000E-09	1.000E-09
00120221	0.1010	9.000E-02	2.300E-03	0.0	1.490E-07	-1.490E-07	3.000E-09	1.000E-09	2.000E-09
00120224	9.430E-02	9.200E-02	2.300E-03	0.0	1.490E-07	-1.490E-07	6.000E-09	1.000E-08	-5.000E-09
00120226	9.500E-02	9.200E-02	3.000E-03	0.0	1.510E-07	-1.510E-07	3.000E-09	1.000E-08	2.000E-09
00120227	9.340E-02	9.100E-02	2.400E-03	0.0	1.490E-07	-1.490E-07	8.000E-09	1.000E-08	-3.000E-09
00120227	0.1022	6.100E-02	2.200E-03	0.0	1.410E-07	-1.410E-07	4.000E-09	1.000E-09	3.000E-09
00120229	9.240E-02	9.100E-02	1.900E-03	0.0	1.470E-07	-1.470E-07	4.000E-09	1.000E-08	-7.000E-09
00120231	6.410E-02	6.300E-02	1.100E-03	1.600E-06	1.312E-05	1.312E-05	1.400E-08	1.200E-08	2.000E-09
00120232	9.890E-02	9.700E-02	1.900E-03	3.000E-07	1.820E-07	1.330E-07	7.000E-08	3.000E-08	3.000E-08
00120235	0.1021	0.1010	1.200E-03	0.0	1.490E-07	-1.490E-07	6.000E-09	1.000E-09	5.000E-09
00120239	0.1041	0.1080	1.300E-03	3.400E-06	4.220E-07	2.613E-06	6.000E-09	1.000E-09	-5.000E-09
00120246	6.410E-02	6.300E-02	1.100E-03	0.0	1.490E-07	-1.490E-07	7.000E-08	1.000E-08	5.000E-09
00120245	9.520E-02	9.300E-02	2.200E-03	0.0	1.490E-07	-1.490E-07	2.300E-08	5.200E-08	-2.500E-08
00120249	7.590E-02	7.400E-02	1.900E-03	0.0	1.510E-07	-1.510E-07	7.000E-09	1.000E-08	-5.000E-09
00120250	0.1057	0.1050	7.000E-04	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	1.000E-09
00120251	5.500E-02	5.400E-02	1.200E-03	3.000E-07	1.440E-07	1.440E-07	1.000E-09	1.000E-09	2.000E-09
00120252	0.1002	9.700E-02	3.200E-03	0.0	1.520E-07	-1.520E-07	1.300E-08	1.000E-08	2.000E-09
00120255	9.540E-02	9.300E-02	2.400E-03	1.700E-06	3.070E-07	1.395E-06	6.000E-09	9.000E-09	-3.000E-09
00120257	0.1086	0.1080	6.000E-04	2.600E-06	3.740E-07	2.206E-06	6.000E-09	1.070E-07	-3.600E-08
00120259	9.180E-02	8.900E-02	3.800E-03	0.0	1.540E-07	-1.540E-07	2.000E-09	2.000E-09	-2.000E-09
00120260	9.530E-02	9.400E-02	2.300E-03	0.0	1.500E-07	-1.500E-07	4.000E-09	1.050E-07	-2.100E-09
00120262	7.660E-02	7.500E-02	1.600E-03	7.800E-06	1.500E-07	3.000E-07	1.000E-09	1.000E-09	2.000E-09
00120264	6.920E-02	6.800E-02	1.200E-03	6.100E-06	7.400E-07	5.352E-06	6.000E-09	1.000E-09	0.0
00120268	9.530E-02	9.300E-02	2.300E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	4.000E-09
00120270	9.560E-02	9.300E-02	2.600E-03	0.0	1.490E-07	-1.490E-07	2.800E-09	6.100E-08	-3.300E-08
00120272	9.300E-02	9.100E-02	2.000E-03	0.0	1.480E-07	-1.480E-07	2.000E-09	2.500E-09	-5.000E-09
00120273	9.490E-02	9.300E-02	1.900E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	0.0
00120275	0.1064	0.1050	1.400E-03	1.200E-06	2.270E-07	9.440E-07	3.200E-08	3.200E-08	0.0
00120276	9.940E-02	9.800E-02	1.400E-03	0.0	1.490E-07	-1.490E-07	2.100E-08	1.100E-08	1.000E-09
00120278	9.190E-02	9.000E-02	2.900E-03	0.0	1.410E-07	-1.410E-07	7.000E-09	1.100E-08	-1.000E-09
00120281	0.1061	0.1030	1.100E-03	0.0	1.470E-07	-1.470E-07	3.000E-09	2.200E-09	1.100E-09
00120283	0.1043	0.1040	3.000E-04	0.0	1.490E-07	-1.490E-07	1.000E-09	7.100E-09	0.0
00120284	0.1085	0.1080	5.000E-04	0.0	1.490E-07	-1.490E-07	3.000E-09	3.000E-09	3.000E-09
00120286	6.310E-02	6.000E-02	3.100E-03	1.190E-05	1.102E-05	8.400E-07	7.000E-09	5.000E-09	2.000E-09
00120288	9.890E-02	9.700E-02	1.900E-03	2.000E-07	1.312E-07	4.900E-07	7.000E-09	1.100E-07	-1.300E-08
00120292	0.1078	0.1070	4.000E-04	0.0	1.490E-07	-1.490E-07	9.000E-09	1.100E-07	3.000E-09
00120293	0.1023	0.1030	3.000E-04	0.0	1.460E-07	-1.460E-07	4.000E-09	1.200E-09	3.000E-09
00120295	9.710E-02	9.500E-02	3.700E-04	9.400E-06	7.000E-07	7.500E-07	6.000E-09	9.000E-09	-3.000E-09
00120298	0.1051	0.1050	1.000E-04	0.0	1.510E-07	-1.510E-07	6.100E-09	7.100E-09	-3.000E-09
00120302	9.710E-02	9.500E-02	1.300E-03	4.900E-06	6.200E-07	2.000E-06	1.000E-09	1.000E-09	1.000E-09
00120304	0.1070	0.1060	1.000E-03	2.700E-06	3.610E-07	2.334E-06	1.000E-09	1.000E-09	3.000E-09
00120305	9.170E-02	9.100E-02	7.000E-04	3.000E-07	1.470E-07	5.300E-07	4.000E-09	1.000E-09	3.000E-09
00120307	0.1011	0.1010	3.000E-04	3.000E-07	1.510E-07	1.490E-07	3.000E-09	3.100E-09	-1.200E-09

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TABLE 5-V. TEST RESULTS FOR HALF ADDER (Continued)

FILE NAME: SC2212AR		TITLE: DEVICE: HALF ADDER		MOTOROLA PART NO.: SC2212		ROFING PART NO.: 27-10335		17 SEP 75	
SERIAL	10 V (OL) (6)	11 V (OL) (6)	12 DELTA V (OL) (6)	13 1967 I (L) (8)	14 1975 I (L) (8)	15 DELTA I (L) (8)	16 1967 I (2T) (8)	17 1975 I (2T) (8)	18 DELTA I (2T) (8)
00120308	0.1113	0.400E-02	2.710E-02	0.0	1.490E-07	-1.490E-07	5.000E-09	1.200E-08	3.800E-08
00120309	0.1033	0.1940	-7.000E-04	2.000E-07	1.510E-07	4.020E-08	3.200E-08	1.500E-08	-3.000E-09
00120310	0.870E-02	0.400E-02	7.000E-04	3.000E-07	1.450E-07	1.550E-07	2.500E-08	2.200E-08	3.000E-09
00120311	0.520E-02	0.300E-02	2.200E-03	2.000E-07	1.520E-07	4.800E-08	2.000E-09	1.000E-09	1.000E-09
00120312	0.580E-02	0.500E-02	0.000E-04	2.000E-07	1.500E-07	5.000E-08	0.500E-09	1.000E-07	-1.000E-07
00120313	0.730E-02	0.600E-02	1.300E-03	0.0	1.480E-07	-1.480E-07	6.600E-08	5.100E-08	1.500E-08
00120316	0.070E-02	0.900E-02	1.700E-03	5.300E-06	6.400E-07	4.630E-06	3.000E-09	1.000E-09	2.000E-09
00120319	0.320E-02	0.300E-02	2.300E-04	3.000E-07	1.490E-07	1.510E-07	1.500E-09	3.300E-08	-1.600E-08
00120320	0.100E-02	0.1310	-0.000E-04	2.000E-06	1.780E-07	1.670E-06	0.500E-09	4.100E-08	5.000E-09
00120322	0.1051	0.1050	1.700E-04	0.0	1.400E-07	-1.400E-07	0.000E-09	9.000E-09	-1.000E-09
00120323	0.110E-02	0.000E-02	1.100E-03	2.000E-07	1.500E-07	5.000E-08	4.000E-09	1.000E-09	3.000E-09
00120329	0.020E-02	0.900E-02	1.700E-03	2.000E-07	1.510E-07	4.900E-08	3.000E-09	1.000E-09	2.000E-09
00120332	0.900E-02	0.1000	-1.000E-04	0.0	1.490E-07	-1.490E-07	3.000E-09	1.000E-09	2.000E-09
00120334	0.410E-02	0.300E-02	1.100E-03	3.000E-07	1.560E-07	1.440E-07	7.000E-09	7.100E-09	-1.000E-09
00120335	0.1090	0.1090	0.0	0.0	1.500E-07	-1.500E-07	5.000E-09	1.000E-09	4.000E-09
00120336	0.840E-02	0.600E-02	2.800E-03	2.500E-06	3.400E-07	2.100E-06	2.100E-09	1.100E-09	1.000E-08
00120337	0.220E-02	0.100E-02	1.200E-03	6.300E-06	7.600E-07	5.500E-06	5.000E-09	1.200E-09	4.000E-09
00120341	0.1068	0.1760	0.000E-04	0.0	1.500E-07	-1.500E-07	0.000E-09	5.200E-08	3.700E-08
00120343	0.1266	0.1230	1.300E-03	0.0	1.490E-07	-1.490E-07	0.000E-09	9.000E-09	-4.000E-09
00120344	0.160E-02	0.800E-02	2.800E-03	3.000E-07	1.520E-07	1.480E-07	6.000E-09	1.000E-09	5.000E-09
00120346	0.1023	0.1030	-7.000E-04	2.000E-07	1.490E-07	5.000E-08	1.600E-09	1.100E-09	5.000E-09
00120347	0.1066	0.1030	1.800E-03	0.0	1.490E-07	-1.490E-07	5.000E-09	5.000E-09	0.0
00120349	0.640E-02	0.500E-02	1.400E-03	2.000E-07	1.510E-07	4.900E-08	1.200E-09	1.100E-09	1.000E-09
00120352	0.850E-02	0.800E-02	5.000E-04	2.000E-07	1.490E-07	5.100E-08	6.100E-09	7.100E-09	-1.000E-09
00120353	0.620E-02	0.500E-02	1.200E-03	0.0	1.490E-07	-1.490E-07	4.000E-09	1.000E-09	3.000E-09
00120354	0.1006	0.1710	-4.000E-04	3.000E-07	1.530E-07	1.500E-07	1.100E-09	1.100E-09	0.0
00120355	0.1162	0.1160	2.000E-04	5.900E-06	7.310E-07	5.160E-06	1.290E-07	1.100E-09	1.600E-08
00120358	0.080E-02	0.1000	0.000E-04	0.0	1.490E-07	-1.490E-07	1.000E-09	1.100E-09	-1.000E-09
00120359	0.110E-02	0.900E-02	1.800E-03	0.0	1.490E-07	-1.490E-07	3.000E-09	1.000E-09	2.000E-09
00120360	0.1043	0.1050	-7.000E-04	2.000E-07	1.490E-07	5.100E-08	2.500E-09	2.500E-09	0.0
00120362	0.450E-02	0.300E-02	1.500E-03	4.700E-06	5.940E-07	4.100E-06	2.000E-09	1.300E-09	1.000E-09
00120364	0.1003	0.900E-02	1.500E-03	2.000E-07	1.490E-07	5.100E-08	5.000E-09	1.000E-09	4.000E-09
00120375	0.1106	0.1100	0.000E-04	1.000E-07	1.490E-07	-4.000E-08	6.000E-09	1.000E-09	5.000E-09
00120376	0.410E-02	0.300E-02	1.100E-03	2.000E-07	1.490E-07	5.100E-08	4.200E-09	2.000E-09	-2.000E-09
00120378	0.000E-02	0.900E-02	1.700E-03	0.0	1.490E-07	-1.490E-07	7.000E-09	5.000E-09	2.000E-09
00120379	0.770E-02	0.600E-02	1.700E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	2.000E-09
00120380	0.1050	0.1040	1.000E-03	0.0	1.510E-07	-1.510E-07	1.200E-09	1.200E-09	-3.000E-09
00120384	0.1106	0.1100	0.000E-04	0.0	1.490E-07	-1.490E-07	2.100E-09	2.100E-09	1.000E-09
00120395	0.1040	0.1040	2.000E-04	0.0	1.490E-07	-1.490E-07	9.000E-09	9.000E-09	-2.000E-09
00120451	0.660E-02	0.300E-02	3.600E-03	2.000E-07	1.500E-07	5.000E-08	9.000E-09	1.000E-09	9.000E-09
00120452	0.910E-02	0.600E-02	2.100E-03	2.000E-07	1.510E-07	4.900E-08	4.000E-09	2.100E-09	-1.000E-09
00120454	0.1145	0.1140	5.000E-04	0.0	1.490E-07	-1.490E-07	1.350E-09	2.100E-09	-7.000E-09
00120455	0.010E-02	0.010E-02	-0.000E-04	0.0	1.490E-07	-1.490E-07	9.000E-09	9.000E-09	4.000E-09
00120459	0.1053	0.1050	3.000E-03	2.000E-07	1.500E-07	5.000E-08	3.200E-09	3.100E-09	1.000E-09
00120460	7.250E-02	7.200E-02	5.000E-04	0.0	1.490E-07	-1.490E-07	3.200E-09	4.000E-09	-9.000E-09
00120461	0.360E-02	0.200E-02	1.500E-03	2.000E-07	1.490E-07	5.000E-08	1.000E-09	1.000E-09	1.000E-09
00120464	0.1154	0.1140	4.000E-04	4.400E-06	6.100E-07	4.000E-06	5.000E-09	5.000E-09	0.0
00120465	0.200E-02	0.000E-02	2.000E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	-1.000E-09
00120466	0.000E-02	0.000E-02	1.500E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	-5.000E-09
00120467	0.000E-02	0.000E-02	1.500E-03	0.0	1.490E-07	-1.490E-07	1.000E-09	1.000E-09	-5.000E-09

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BOEING AEROSPACE CO HUNTSVILLE AL ARMY SYSTEMS DIV

F/G 9/5

STORAGE RELIABILITY OF CHIP AND BOND WIRE ELECTRONIC DEVICES, V--ETC(U)

DEC 75

DAAH01-75-C-0835

UNCLASSIFIED

D256-10082-2

NL

2 OF 3

AD-A077486

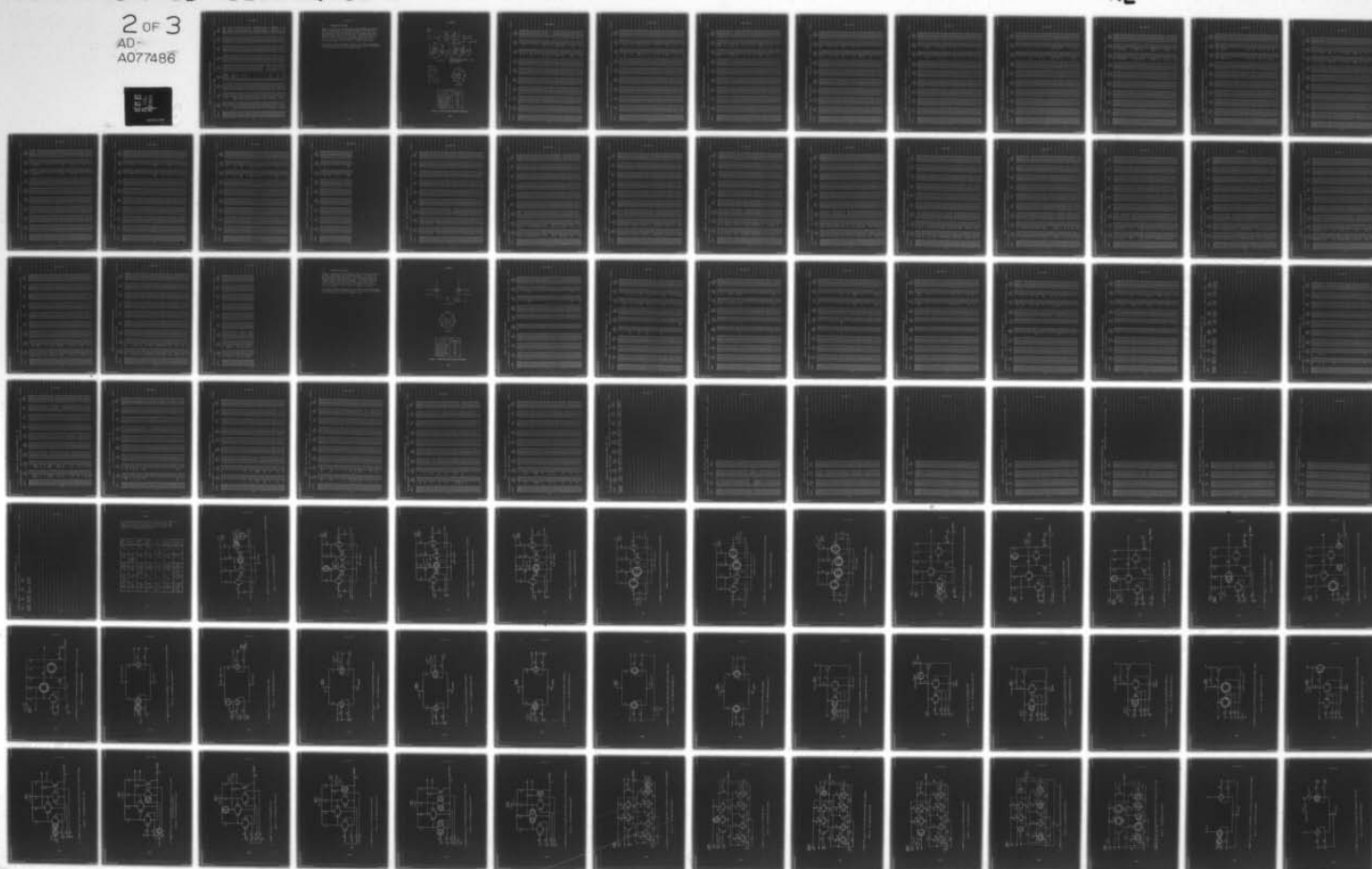


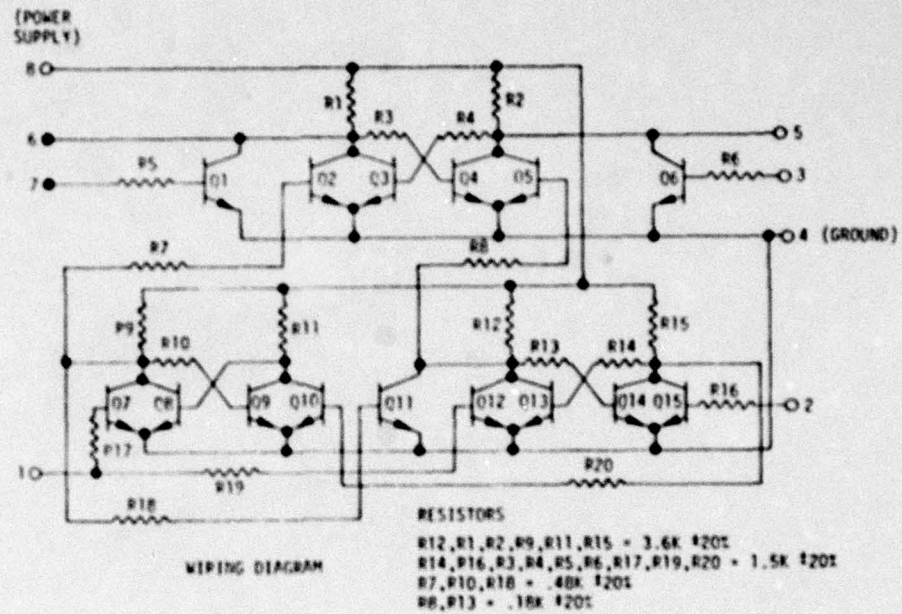
TABLE 5-V. TEST RESULTS FOR HALF ADDER (Continued)

[illegible]

5.6 REGISTER TEST RESULTS

Figure 5-6 and Table 5-VI present the circuit diagrams and the test results, respectively, for the Register devices. The table lists both the original 1967 test and the 1975 test values, as well as the difference (delta) between them. The left-hand column titled "SERIAL" contains the part serial number. All current values are listed in ampere units, while all voltage values are in volt units. The standard computer printout convention has been used to denote exponents, i.e., $1.234\text{E}-02 = 1.234 \times 10^{-2}$ or 0.01234.

The actual test input conditions used for each of the six parameter measurements made on the Register devices can be found in the Appendix to this volume, Figures A-6 (a) through A-6 (f).

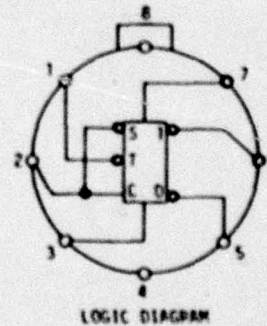


DIRECT INPUT

3	7	6	5	1
L	L	NL	NE	H
L	H	L	H	H
H	L	H	L	H
H	H	L	L	H

GATED INPUT

1 = n	1 = n+1	3	7
2	6 5	L	L
H	H L	L	L
L	L H	L	L



VOLTAGE SPECIFICATIONS	
INPUT VOLTAGE	SPECIFICATION AT 25°C
POWER SUPPLY (NOMINAL)	3.00V
POWER SUPPLY (MAXIMUM)	3.67V
MAXIMUM "OFF" VOLTAGE	0.47V
MINIMUM "ON" VOLTAGE	0.75V
SATURATION VOLTAGE	0.81V
MINIMUM DRIVE VOLTAGE	1.80V
LOW LEVEL VOLTAGE FOR LEAKAGE CHECK	0.40V

FIGURE 5-6 WIRING AND LOGIC DIAGRAMS FOR REGISTER

TABLE 5-VI. TEST RESULTS FOR REGISTER

[illegible]

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

TABLE S-VI. TEST RESULTS FOR REGISTER (Continued)

17 SEP 75

FILE NAME: SC2213AC	TITLE: DEVICE: REGISTER				MOTOROLA PART NO.: 5C2213			ROFING PART NO.: 27-10334		
SERIAL	1 1967 I (IN) (2)	2 1975 I (IN) (2)	3 DELTA I (IN) (2)	4 1967 I (OUT) (6-1)	5 1975 I (OUT) (6-1)	6 DELTA I (OUT) (6-1)	7 1967 V (OUT) (5-1)	8 1975 V (OUT) (5-1)	9 DELTA V (OUT) (5-1)	
00131314	7.940E-05	7.203E-05	-1.740E-05	5.044E-04	5.150E-04	-8.500E-04	8.510E-02	9.705E-02	-1.700E-03	
00131315	8.490E-05	9.940E-05	-1.370E-05	5.241E-04	5.375E-04	-7.700E-04	8.390E-02	8.600E-02	-2.100E-03	
00131316	8.410E-05	8.450E-05	-2.040E-05	4.832E-04	5.380E-04	-5.380E-04	0.1694	0.1694	-1.490E-03	
00131317	8.020E-05	9.710E-05	-1.690E-05	5.749E-04	5.840E-04	-1.110E-04	0.1228	0.1110	-8.200E-03	
00131409	7.220E-05	9.020E-05	-1.800E-05	4.633E-04	5.160E-04	-5.270E-04	9.870E-02	9.101E-02	-2.400E-03	
00131409	5.940E-05	8.162E-05	-2.200E-05	4.714E-04	5.250E-04	-5.340E-04	0.1437	0.1520	-8.300E-03	
00131410	5.530E-05	8.420E-05	-2.320E-05	4.607E-04	5.130E-04	-5.230E-04	0.1134	0.1140	-8.200E-03	
00131411	6.400E-05	9.510E-05	-2.810E-05	5.011E-04	5.500E-04	-5.770E-04	0.1306	0.1380	-7.400E-03	
00131412	7.410E-05	9.300E-05	-1.990E-05	4.821E-04	5.370E-04	-5.440E-04	9.710E-02	9.800E-02	-9.000E-04	
00131413	7.430E-05	9.500E-05	-2.160E-05	5.241E-04	5.890E-04	-6.030E-04	0.1524	0.1480	-1.560E-02	
00131414	7.500E-05	9.150E-05	-1.590E-05	4.415E-04	4.920E-04	-5.750E-04	7.560E-02	7.700E-02	-1.600E-03	
00131415	8.790E-05	8.790E-05	-1.090E-05	5.241E-04	5.420E-04	-1.270E-04	0.1160	0.1230	-7.000E-03	
00131416	5.730E-05	8.710E-05	-1.040E-05	4.742E-04	5.300E-04	-5.490E-04	0.1451	0.1560	-1.090E-02	
00131417	7.260E-05	8.760E-05	-1.700E-05	4.575E-04	4.850E-04	-5.030E-04	8.470E-02	8.600E-02	-1.500E-03	
00131418	7.370E-05	8.640E-05	-7.700E-05	4.766E-04	4.890E-04	-1.140E-04	9.800E-02	0.1050	-6.200E-03	
00131419	5.810E-05	9.070E-05	-2.210E-05	4.745E-04	5.310E-04	-5.350E-04	0.1147	0.1180	-3.300E-03	
00131420	7.170E-05	9.540E-05	-2.350E-05	5.054E-04	5.630E-04	-5.760E-04	0.1207	0.1250	-5.300E-03	
00131421	7.370E-05	9.410E-05	-2.040E-05	5.190E-04	5.730E-04	-5.800E-04	0.1230	0.1240	-5.000E-03	
00131422	7.290E-05	8.940E-05	-1.660E-05	4.431E-04	4.930E-04	-6.090E-04	7.850E-02	7.700E-02	-1.500E-03	
00131423	6.070E-05	9.100E-05	-2.130E-05	4.565E-04	5.120E-04	-5.740E-04	9.070E-02	9.200E-02	-1.300E-03	
00131424	7.070E-05	9.300E-05	-2.230E-05	4.701E-04	5.330E-04	-5.790E-04	0.1047	0.1130	-3.300E-03	
00131425	7.510E-05	9.090E-05	-1.180E-05	5.314E-04	5.460E-04	-1.260E-04	0.1203	0.1290	-9.000E-03	
00131426	7.400E-05	9.150E-05	-1.450E-05	5.342E-04	5.420E-04	-7.900E-04	0.1136	0.1190	-5.600E-03	
00131427	7.470E-05	9.330E-05	-1.460E-05	5.240E-04	5.400E-04	-6.090E-04	0.1322	0.1430	-1.090E-02	
00131428	7.880E-05	9.100E-05	-1.410E-05	5.429E-04	5.450E-04	-2.100E-04	0.1261	0.1250	-4.000E-04	
00131429	7.740E-05	9.340E-05	-1.100E-05	5.772E-04	5.353E-04	-2.100E-04	0.1301	0.1310	-9.000E-04	
00131430	7.430E-05	8.760E-05	-1.330E-05	4.976E-04	5.010E-04	-3.100E-04	0.1274	0.1410	-1.310E-02	
00131431	7.630E-05	9.070E-05	-1.430E-05	4.976E-04	5.010E-04	-3.100E-04	8.470E-02	9.600E-02	-1.300E-03	
00131432	7.120E-05	9.100E-05	-2.000E-05	4.770E-04	5.010E-04	-5.900E-04	0.1033	0.1080	-3.000E-03	
00131433	4.940E-05	9.720E-05	-1.740E-05	5.241E-04	5.310E-04	-5.700E-04	0.1136	0.1170	-3.400E-03	
00131434	9.200E-05	1.010E-04	-1.170E-05	5.376E-04	5.430E-04	-5.400E-04	0.1304	0.1360	-5.600E-03	
00131435	8.900E-05	9.900E-05	-1.600E-05	5.276E-04	5.330E-04	-5.230E-04	9.800E-02	9.800E-02	-1.300E-03	
00131436	7.130E-05	8.420E-05	-1.690E-05	4.491E-04	4.940E-04	-5.700E-04	0.1030	0.1030	-3.100E-03	
00131437	7.280E-05	9.650E-05	-1.370E-05	5.054E-04	5.110E-04	-5.500E-04	0.1247	0.1240	-3.300E-03	
00131438	7.100E-05	9.190E-05	-1.240E-05	5.330E-04	5.470E-04	-8.100E-04	9.370E-02	0.1000	-2.300E-03	
00131439	7.550E-05	9.060E-05	-1.410E-05	5.194E-04	5.250E-04	-5.430E-04	0.1085	0.1140	-5.400E-03	
00131440	8.950E-05	8.710E-05	-1.860E-05	5.218E-04	5.260E-04	-5.430E-04	0.1151	0.1160	-3.900E-03	
00131441	7.300E-05	9.810E-05	-1.810E-05	5.444E-04	5.510E-04	-5.230E-04	0.1331	0.1410	-3.900E-03	
00131442	7.710E-05	9.590E-05	-1.860E-05	5.432E-04	5.490E-04	-5.400E-04	0.1149	0.1230	-4.100E-03	
00131423	7.100E-05	9.230E-05	-1.420E-05	5.167E-04	5.270E-04	-5.500E-04	0.1347	0.1400	-4.300E-03	
00131424	6.450E-05	8.450E-05	-2.000E-05	5.307E-04	5.100E-04	-5.500E-04	9.810E-02	0.1030	-1.400E-03	
00131425	7.210E-05	8.610E-05	-1.800E-05	4.721E-04	4.780E-04	-2.300E-04	0.1190	0.1210	-2.000E-03	
00131426	7.210E-05	8.450E-05	-1.600E-05	4.914E-04	5.050E-04	-3.000E-04	0.1130	0.1230	-1.600E-03	
00131427	7.040E-05	8.960E-05	-1.920E-05	5.488E-04	5.270E-04	-3.300E-04	0.1346	0.1390	-4.400E-03	
00131428	6.600E-05	8.460E-05	-1.060E-05	5.488E-04	5.270E-04	-3.300E-04	0.1289	0.1310	-1.300E-03	
00131429	7.680E-05	9.270E-05	-1.590E-05	5.377E-04	5.420E-04	-4.300E-04	0.1091	0.1110	-1.600E-03	
00131430	6.600E-05	8.730E-05	-2.070E-05	5.440E-04	5.470E-04	-4.300E-04	0.1527	0.1540	-6.300E-03	
00131431	6.440E-05	8.530E-05	-1.850E-05	5.491E-04	5.430E-04	-3.930E-04	0.1462	0.1543	-6.300E-03	
00131432	7.450E-05	9.150E-05	-1.400E-05	4.847E-04	4.890E-04	-4.330E-04	0.1336	0.1370	-3.400E-03	

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

17 SEP 75

27-10336

MOTOROLA PART NO.: SC2213

TITLE: DEVICE: REGISTER

FILE NAME: SC2213AC

SERIAL

1	2	3	4	5	6	7	8	9
1967	1975	DELTA	1967	1975	DELTA	1967	1975	DELTA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
00131633	7.650E-05	9.140E-05	5.282E-04	9.320E-04	-3.900E-06	0.1231	0.1260	-2.900E-03
00131634	7.600E-05	9.320E-05	5.282E-04	9.320E-04	-4.200E-06	0.1191	0.1210	-1.200E-03
00131635	7.610E-05	9.280E-05	5.380E-04	9.420E-04	-4.030E-06	0.1175	0.1190	-1.400E-03
00131636	7.490E-05	9.100E-05	5.461E-04	9.000E-04	-3.920E-06	0.1141	0.1160	-1.900E-03
00131637	7.910E-05	8.510E-05	5.518E-04	9.560E-04	-4.200E-06	0.1384	0.1420	-3.600E-03
00131638	7.140E-05	8.550E-05	5.494E-04	9.440E-04	-4.630E-06	0.1328	0.1380	-5.200E-03
00131639	7.860E-05	9.450E-05	5.207E-04	9.230E-04	-2.300E-06	9.040E-02	9.000E-02	4.000E-04
00131731	7.300E-05	8.720E-05	5.570E-04	9.490E-04	-2.700E-06	0.1227	0.1240	-1.300E-03
00131732	7.150E-05	8.460E-05	5.489E-04	9.410E-04	-4.700E-06	8.740E-02	9.800E-02	-6.600E-04
00131733	7.150E-05	8.520E-05	5.489E-04	9.410E-04	-4.700E-06	0.1031	0.1045	-2.500E-03
00131734	7.100E-05	8.450E-05	5.320E-04	9.320E-04	-5.000E-06	0.1101	0.1130	-2.900E-03
00131735	7.600E-05	9.200E-05	5.378E-04	9.430E-04	-5.200E-06	0.1072	0.1090	-1.800E-03
00131736	7.640E-05	9.030E-05	5.490E-04	9.560E-04	-7.000E-06	0.1354	0.1430	-7.400E-03
00131737	8.200E-05	9.210E-05	5.067E-04	9.150E-04	-8.300E-06	0.1045	0.1080	-3.500E-03
00131738	7.130E-05	8.500E-05	5.292E-04	9.340E-04	-5.300E-06	0.1103	0.1130	-2.200E-03
00131739	7.120E-05	8.750E-05	5.440E-04	9.490E-04	-5.200E-06	0.1466	0.1560	-9.400E-03
00131740	7.260E-05	9.020E-05	5.290E-04	9.300E-04	-3.200E-06	0.1134	0.1150	-1.400E-03
00131741	8.400E-05	9.580E-05	5.052E-04	9.110E-04	-5.900E-06	9.440E-02	9.500E-02	-6.000E-04
00131742	6.800E-05	8.580E-05	5.258E-04	9.310E-04	-5.200E-06	0.1244	0.1290	-4.600E-03
00131743	7.270E-05	9.040E-05	5.648E-04	9.700E-04	-5.700E-06	0.1322	0.1370	-4.900E-03
00131744	7.760E-05	8.900E-05	5.200E-04	9.280E-04	-5.000E-06	9.120E-02	9.200E-02	-8.000E-04
00131745	7.870E-05	8.690E-05	5.688E-04	9.570E-04	-5.700E-06	0.1086	0.1110	-2.400E-03
00131746	7.310E-05	8.650E-05	5.730E-04	9.570E-04	-5.300E-06	0.1275	0.1320	-4.500E-03
00131747	6.840E-05	9.000E-05	5.844E-04	9.300E-04	-4.600E-06	0.1324	0.1370	-4.600E-03
00131748	7.930E-05	9.140E-05	5.151E-04	9.190E-04	-3.900E-06	0.1164	0.1180	-1.600E-03
00131749	7.290E-05	9.310E-05	5.864E-04	9.910E-04	-4.400E-06	0.1467	0.1610	-4.300E-03
00131840	7.160E-05	8.720E-05	5.288E-04	9.330E-04	-4.200E-06	0.1244	0.1290	-4.600E-03
00131841	6.570E-05	7.640E-05	6.701E-04	9.750E-04	-4.900E-06	0.1104	0.1120	-1.600E-03
00131842	7.420E-05	9.090E-05	5.670E-04	9.570E-04	-6.300E-06	9.350E-02	9.400E-02	-4.000E-04
00131843	7.200E-05	8.780E-05	5.049E-04	9.110E-04	-6.100E-06	0.1305	0.1320	-7.400E-03
00131844	7.750E-05	9.000E-05	5.374E-04	9.430E-04	-5.600E-06	0.1190	0.1250	-6.000E-03
00131845	7.560E-05	9.130E-05	5.625E-04	9.670E-04	-4.500E-06	0.1169	0.1220	-3.100E-03
00131846	7.230E-05	8.740E-05	5.234E-04	9.290E-04	-5.630E-06	0.1163	0.1190	-3.030E-03
00131847	7.670E-05	9.130E-05	5.708E-04	9.260E-04	-5.700E-06	0.1147	0.1170	-2.300E-03
00131848	7.450E-05	8.910E-05	5.255E-04	9.240E-04	-5.500E-06	0.1393	0.1490	-6.500E-03
00131849	7.310E-05	9.260E-05	5.468E-04	9.640E-04	-5.200E-06	0.1319	0.1350	-3.200E-03
00131850	7.240E-05	9.360E-05	5.454E-04	9.500E-04	-5.600E-06	0.1321	0.1350	-2.700E-03
00131851	7.680E-05	9.230E-05	5.196E-04	9.240E-04	-4.400E-06	0.1129	0.1150	-2.100E-03
00131852	7.080E-05	8.590E-05	5.269E-04	9.310E-04	-5.130E-06	0.1184	0.1210	-2.700E-03
00131853	6.840E-05	8.490E-05	5.261E-04	9.310E-04	-5.900E-06	0.1132	0.1170	-3.400E-03
00131854	7.310E-05	9.220E-05	5.474E-04	9.670E-04	-4.600E-06	0.1555	0.1640	-8.500E-03
00131855	7.240E-05	8.720E-05	5.342E-04	9.190E-04	-4.900E-06	0.1195	0.1220	-2.500E-03
00131856	7.300E-05	9.110E-05	5.541E-04	9.650E-04	-5.900E-06	0.1127	0.1240	-6.700E-03
00131857	7.090E-05	8.760E-05	5.226E-04	9.240E-04	-3.900E-06	0.1218	0.1250	-3.200E-03
00131858	7.160E-05	8.410E-05	5.268E-04	9.310E-04	-4.730E-06	0.1228	0.1270	-4.200E-03
00131859	7.310E-05	9.090E-05	5.246E-04	9.210E-04	-4.100E-06	0.1098	0.1120	-1.200E-03
00131860	7.310E-05	8.500E-05	5.360E-04	9.210E-04	-4.100E-06	0.1176	0.1210	-3.400E-03
00131861	7.310E-05	9.440E-05	5.061E-04	9.410E-04	-4.200E-06	7.980E-02	8.000E-02	-2.000E-04
00131862	4.250E-04	7.640E-04	4.501E-04	9.490E-04	-3.930E-06	9.1117	0.1150	-3.800E-03
00131863	6.580E-05	8.020E-05	4.643E-04	9.440E-04	-2.700E-06	0.1114	0.1140	-2.400E-03

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

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17 SEP 75

FILE NAME: SC2213AC TITLE: DEVICE: REGISTER

MOTOROLA PART NO.: SC2213

MOTOROLA PART NO.: 27-10336

17 SEP 75

DELTA

V(OUT)

(5-1)

9

1975

V(OUT)

(5-1)

7

1967

V(OUT)

(5-1)

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC	TITLE: DEVICE: REGISTER				MOTOROLA PART NO.: SC2213										GEISING PART NO.: 27-10336										17 SEP 75									
SERIAL	1 1967 (17)		2 1975 (2)		3 DELTA (2)		4 1967 (16-1)		5 1975 (6-1)		6 DELTA (16-1)		7 1967 (5-1)		8 1975 (5-1)		9 DELTA (5-1)																	
00132288	8.570E-04	9.540E-04	-9.700E-04	5.094E-04	5.200E-04	-1.040E-04	8.570E-02	9.540E-02	-2.300E-03																									
00132289	8.440E-04	9.540E-04	-1.120E-04	5.215E-04	5.290E-04	-7.500E-04	8.950E-02	9.700E-02	-2.500E-03																									
00132290	8.200E-04	1.007E-04	-1.870E-04	6.411E-04	5.490E-04	-6.700E-04	0.1228	0.1230	-2.000E-04																									
00132291	8.300E-04	9.550E-04	-1.160E-04	5.130E-04	5.190E-04	-5.000E-04	8.640E-02	9.500E-02	-1.400E-03																									
00132292	8.440E-04	9.580E-04	-1.140E-04	5.230E-04	5.300E-04	-7.000E-04	8.780E-02	8.930E-02	-1.200E-03																									
00132293	9.110E-04	9.890E-04	-7.800E-04	4.763E-04	6.840E-04	-7.700E-04	6.280E-02	6.300E-02	-2.000E-04																									
00132294	8.370E-04	9.270E-04	-9.000E-04	4.945E-04	5.530E-04	-8.500E-04	6.940E-02	7.000E-02	-5.000E-04																									
00132295	9.200E-04	1.234E-04	-1.140E-04	5.504E-04	5.540E-04	-7.400E-04	8.200E-02	8.300E-02	-1.000E-03																									
00132296	8.240E-04	9.440E-04	-1.190E-04	5.214E-04	5.290E-04	-6.400E-04	9.230E-02	9.400E-02	-1.700E-03																									
00132297	8.640E-04	9.550E-04	-1.190E-04	5.224E-04	5.290E-04	-7.300E-04	8.890E-02	9.000E-02	-1.100E-03																									
00132298	8.300E-04	9.540E-04	-1.150E-04	5.204E-04	5.280E-04	-7.300E-04	0.1133	0.1200	-6.200E-03																									
00132299	7.800E-04	9.320E-04	-1.430E-04	5.294E-04	5.360E-04	-6.500E-04	0.1094	0.1040	-3.500E-03																									
00132300	8.140E-04	9.680E-04	-1.530E-04	5.723E-04	5.800E-04	-7.700E-04	0.1224	0.1300	-7.600E-03																									
00132301	9.050E-04	9.720E-04	-1.700E-04	4.813E-04	6.060E-04	-6.700E-04	5.480E-02	5.500E-02	-1.300E-04																									
00132302	7.680E-04	9.550E-04	-1.700E-04	5.987E-04	6.060E-04	-7.100E-04	0.1513	0.1650	-1.370E-02																									
00132303	8.260E-04	9.800E-04	-1.540E-04	5.812E-04	5.700E-04	-8.100E-04	0.1155	0.1200	-4.500E-03																									
00132304	8.230E-04	9.630E-04	-8.430E-04	4.909E-04	4.970E-04	-6.100E-04	6.780E-02	6.900E-02	-9.000E-04																									
00132305	8.760E-04	9.440E-04	-7.800E-04	4.963E-04	4.960E-04	-7.400E-04	5.510E-02	6.600E-02	-9.000E-04																									
00132306	8.550E-04	9.810E-04	-1.250E-04	5.500E-04	5.630E-04	-7.000E-04	9.340E-02	9.600E-02	-2.600E-03																									
00132307	8.060E-04	9.760E-04	-1.700E-04	5.837E-04	5.420E-04	-8.300E-04	0.1081	0.1130	-4.500E-03																									
00132308	9.040E-04	9.640E-04	-1.420E-04	5.374E-04	5.450E-04	-7.600E-04	9.520E-02	9.800E-02	-2.600E-03																									
00132309	8.570E-04	9.580E-04	-1.010E-04	5.116E-04	5.180E-04	-7.400E-04	8.040E-02	8.200E-02	-1.400E-03																									
00132310	7.910E-04	9.740E-04	-1.140E-04	5.437E-04	5.400E-04	-8.130E-04	3.1028	3.1070	-5.200E-03																									
00132311	8.710E-04	9.700E-04	-1.400E-04	5.293E-04	5.370E-04	-8.230E-04	8.520E-02	8.600E-02	-9.000E-04																									
00132312	7.760E-04	9.500E-04	-1.820E-04	5.538E-04	6.020E-04	-8.230E-04	0.1405	0.1500	-4.600E-03																									
00132313	7.900E-04	9.740E-04	-1.140E-04	5.865E-04	5.680E-04	-7.500E-04	0.1175	0.1220	-4.500E-03																									
00132314	8.340E-04	9.710E-04	-1.670E-04	6.050E-04	6.130E-04	-8.030E-04	0.1209	0.1260	-6.000E-03																									
00132315	8.380E-04	9.740E-04	-1.660E-04	6.000E-04	6.170E-04	-8.030E-04	0.1501	0.1600	-1.890E-02																									
00132316	8.130E-04	9.690E-04	-1.760E-04	6.163E-04	6.250E-04	-8.700E-04	0.1334	0.1300	-6.700E-03																									
00132317	8.040E-04	9.720E-04	-1.940E-04	5.088E-04	5.140E-04	-5.200E-04	7.530E-02	7.700E-02	-1.700E-03																									
00132318	8.600E-04	9.990E-04	-1.190E-04	5.637E-04	5.700E-04	-6.700E-04	9.490E-02	9.700E-02	-2.100E-03																									
00132319	8.270E-04	9.190E-04	-1.170E-04	5.670E-04	5.130E-04	-6.000E-04	8.740E-02	8.900E-02	-1.600E-03																									
00132320	8.570E-04	9.490E-04	-8.200E-04	4.857E-04	4.930E-04	-7.330E-04	6.530E-02	6.600E-02	-7.000E-04																									
00132321	7.750E-04	9.520E-04	-1.770E-04	5.792E-04	5.850E-04	-6.430E-04	0.1221	0.1280	-5.900E-03																									
00132322	8.990E-04	9.920E-04	-9.300E-04	4.962E-04	5.030E-04	-6.100E-04	6.070E-02	6.700E-02	-1.000E-04																									
00132323	7.820E-04	9.610E-04	-1.980E-04	5.803E-04	5.070E-04	-6.700E-04	0.1404	0.1490	-5.600E-03																									
00132324	7.490E-04	9.740E-04	-2.060E-04	6.247E-04	6.320E-04	-7.300E-04	0.1319	0.1400	-8.100E-03																									
00132325	7.970E-04	9.350E-04	-1.480E-04	5.814E-04	5.510E-04	-7.000E-04	0.1579	0.1190	-1.950E-02																									
00132326	7.960E-04	9.510E-04	-1.470E-04	5.848E-04	5.070E-04	-7.230E-04	0.1133	0.1190	-1.700E-03																									
00132327	9.140E-04	9.740E-04	-1.600E-04	5.092E-04	5.070E-04	-7.000E-04	0.1395	0.1510	-1.150E-02																									
00132328	9.430E-04	9.560E-04	-4.100E-04	4.691E-04	4.700E-04	-9.000E-04	4.900E-02	4.900E-02	0.0																									
00132329	8.200E-04	9.290E-04	-1.540E-04	6.041E-04	6.270E-04	-1.010E-04	3.1264	3.1340	-7.630E-03																									
00132330	9.910E-04	9.850E-04	-5.500E-04	4.950E-04	4.930E-04	-5.330E-04	6.410E-02	6.600E-02	-1.900E-03																									
00132331	8.930E-04	9.300E-03	-5.730E-04	4.981E-04	5.020E-03	-5.900E-04	5.530E-02	5.530E-02	6.700E-04																									
00132332	9.500E-04	1.004E-04	-1.560E-04	5.270E-04	4.770E-04	-6.700E-04	0.1321	0.1353	-2.930E-03																									
00132333	9.000E-04	9.120E-04	-1.420E-04	5.067E-04	5.110E-04	-6.800E-04	0.1265	0.1293	-5.400E-03																									
00132334	7.700E-04	9.000E-04	-1.720E-04	5.674E-04	5.040E-04	-6.600E-04	0.1179	0.1290	-5.100E-03																									
00132335	9.930E-04	9.830E-04	-1.560E-04	4.921E-04	4.940E-04	-5.600E-04	6.410E-02	6.600E-02	-1.900E-03																									
00132336	8.370E-04	9.540E-04	-1.390E-04	5.047E-04	5.340E-04	-6.400E-04	7.310E-02	7.600E-02	-9.000E-04																									
00132337	8.200E-04	9.430E-04	-1.390E-04	5.047E-04	5.340E-04	-6.400E-04	7.310E-02	7.600E-02	-9.000E-04																									
00132338	8.200E-04	9.430E-04	-1.390E-04	5.047E-04	5.340E-04	-6.400E-04	7.310E-02	7.600E-02	-9.000E-04																									

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

17 SEP 75

AGEING PART NO.: 27-10336

MOTOROLA PART NO.: SC2213

TITLE: DEVICE: REGISTER

FILE NAME: SC2213AC

SERIAL	1		2		3		4		5		6		7		8		9	
	1967 (1)	(2)	1975 (1)	(2)	DELTA (1-2)	(2)	1967 (1)	(2)	1975 (1)	(2)	DELTA (1-2)	(2)	1967 (1)	(2)	1975 (1)	(2)	DELTA (1-2)	(2)
00132609	8.010F-05	9.993F-05	9.993F-05	1.780E-05	5.906E-04	5.973E-04	5.906E-04	5.973E-04	5.973E-04	5.973E-04	-5.500E-04	0.1192	0.1192	0.1192	0.1192	0.1192	-5.500E-03	-5.500E-03
00132610	8.000E-05	9.450E-05	9.450E-05	-1.450E-05	5.200E-04	5.310E-04	5.200E-04	5.310E-04	5.310E-04	5.310E-04	-5.100E-04	9.490E-02	9.490E-02	9.490E-02	9.490E-02	9.490E-02	-2.100E-03	-2.100E-03
00132611	8.750E-05	9.163F-05	9.163F-05	-7.100E-05	4.500E-04	4.650E-04	4.500E-04	4.650E-04	4.650E-04	4.650E-04	-5.100E-04	5.440E-02	5.440E-02	5.440E-02	5.440E-02	5.440E-02	-6.000E-04	-6.000E-04
00132612	6.770E-05	9.140E-05	9.140E-05	-2.370E-05	5.700E-04	5.840E-04	5.700E-04	5.840E-04	5.840E-04	5.840E-04	-5.000E-04	0.1533	0.1533	0.1533	0.1533	0.1533	-1.170E-02	-1.170E-02
00132613	7.820E-05	9.323E-05	9.323E-05	-1.500E-05	5.540E-04	5.690E-04	5.540E-04	5.690E-04	5.690E-04	5.690E-04	-5.400E-04	0.1091	0.1091	0.1091	0.1091	0.1091	-2.900E-03	-2.900E-03
00132614	8.203E-05	9.893E-05	9.893E-05	-1.690E-05	5.182E-04	5.350E-04	5.182E-04	5.350E-04	5.350E-04	5.350E-04	-4.800E-04	8.153E-02	8.153E-02	8.153E-02	8.153E-02	8.153E-02	-1.500E-03	-1.500E-03
00132615	9.573E-05	9.590E-05	9.590E-05	-1.020E-05	5.087E-04	5.200E-04	5.087E-04	5.200E-04	5.200E-04	5.200E-04	-5.200E-04	7.183E-02	7.183E-02	7.183E-02	7.183E-02	7.183E-02	-1.200E-03	-1.200E-03
00132616	8.913E-05	1.032E-04	1.032E-04	-1.410E-05	5.690E-04	5.753E-04	5.690E-04	5.753E-04	5.753E-04	5.753E-04	-6.000E-04	9.273E-02	9.273E-02	9.273E-02	9.273E-02	9.273E-02	-3.000E-04	-3.000E-04
00132617	8.123E-05	1.026E-04	1.026E-04	-1.900E-05	5.116E-04	5.180E-04	5.116E-04	5.180E-04	5.180E-04	5.180E-04	-5.400E-04	0.1255	0.1255	0.1255	0.1255	0.1255	-2.500E-03	-2.500E-03
00132618	8.480E-05	9.943E-05	9.943E-05	-1.460E-05	5.176E-04	5.180E-04	5.176E-04	5.180E-04	5.180E-04	5.180E-04	-5.000E-04	8.250E-02	8.250E-02	8.250E-02	8.250E-02	8.250E-02	-2.500E-03	-2.500E-03
00132619	8.203E-05	1.033E-04	1.033E-04	-1.130E-05	5.127E-04	5.180E-04	5.127E-04	5.180E-04	5.180E-04	5.180E-04	-5.800E-04	0.1230	0.1230	0.1230	0.1230	0.1230	-4.000E-03	-4.000E-03
00132620	8.003E-05	9.843E-05	9.843E-05	-1.840E-05	5.054E-04	5.150E-04	5.054E-04	5.150E-04	5.150E-04	5.150E-04	-5.500E-04	0.1220	0.1220	0.1220	0.1220	0.1220	-4.000E-03	-4.000E-03
00132621	7.870E-05	9.840E-05	9.840E-05	-1.970E-05	5.040E-04	5.170E-04	5.040E-04	5.170E-04	5.170E-04	5.170E-04	-2.100E-04	0.1104	0.1104	0.1104	0.1104	0.1104	-1.600E-03	-1.600E-03
00132622	7.540E-05	1.014E-04	1.014E-04	-1.580E-05	5.564E-04	5.610E-04	5.564E-04	5.610E-04	5.610E-04	5.610E-04	-4.400E-04	0.1004	0.1004	0.1004	0.1004	0.1004	-2.600E-03	-2.600E-03
00132623	8.170E-05	9.303E-05	9.303E-05	-1.130E-05	5.431E-04	5.475E-04	5.431E-04	5.475E-04	5.475E-04	5.475E-04	-3.900E-04	0.1121	0.1121	0.1121	0.1121	0.1121	-1.500E-03	-1.500E-03
00132624	7.603E-05	9.823E-05	9.823E-05	-2.220E-05	5.043E-04	5.090E-04	5.043E-04	5.090E-04	5.090E-04	5.090E-04	-5.700E-04	0.1451	0.1451	0.1451	0.1451	0.1451	-9.000E-03	-9.000E-03
00132625	8.063E-05	9.813E-05	9.813E-05	-1.750E-05	5.326E-04	5.380E-04	5.326E-04	5.380E-04	5.380E-04	5.380E-04	-5.400E-04	0.1234	0.1234	0.1234	0.1234	0.1234	-6.600E-03	-6.600E-03
00132626	7.770E-05	9.703E-05	9.703E-05	-1.930E-05	5.292E-04	5.350E-04	5.292E-04	5.350E-04	5.350E-04	5.350E-04	-2.800E-04	0.1284	0.1284	0.1284	0.1284	0.1284	-1.400E-03	-1.400E-03
00132627	7.140E-05	8.923E-05	8.923E-05	-1.780E-05	5.840E-04	5.730E-04	5.840E-04	5.730E-04	5.730E-04	5.730E-04	-5.000E-04	0.1585	0.1585	0.1585	0.1585	0.1585	-1.400E-03	-1.400E-03
00132628	6.853E-05	8.443E-05	8.443E-05	-1.590E-05	4.591E-04	4.650E-04	4.591E-04	4.650E-04	4.650E-04	4.650E-04	-5.000E-04	0.1053	0.1053	0.1053	0.1053	0.1053	-3.100E-03	-3.100E-03
00132629	7.250E-05	8.913E-05	8.913E-05	-1.660E-05	4.784E-04	4.830E-04	4.784E-04	4.830E-04	4.830E-04	4.830E-04	-5.400E-04	0.1730	0.1730	0.1730	0.1730	0.1730	-2.400E-03	-2.400E-03
00132630	8.130E-05	9.633E-05	9.633E-05	-1.500E-05	5.148E-04	5.180E-04	5.148E-04	5.180E-04	5.180E-04	5.180E-04	-3.200E-04	0.1179	0.1179	0.1179	0.1179	0.1179	-1.100E-03	-1.100E-03
00132631	7.920E-05	9.620E-05	9.620E-05	-1.700E-05	5.101E-04	5.150E-04	5.101E-04	5.150E-04	5.150E-04	5.150E-04	-5.100E-04	0.1077	0.1077	0.1077	0.1077	0.1077	-2.900E-03	-2.900E-03
00132632	7.910E-05	9.223E-05	9.223E-05	-1.310E-05	5.190E-04	5.260E-04	5.190E-04	5.260E-04	5.260E-04	5.260E-04	-7.000E-04	0.1131	0.1131	0.1131	0.1131	0.1131	-2.150E-02	-2.150E-02
00132633	7.940E-05	8.920E-05	8.920E-05	-1.020E-05	5.744E-04	5.790E-04	5.744E-04	5.790E-04	5.790E-04	5.790E-04	-5.600E-04	0.1755	0.1755	0.1755	0.1755	0.1755	-7.000E-04	-7.000E-04
00132634	8.720E-05	9.443E-05	9.443E-05	-1.720E-05	4.784E-04	4.830E-04	4.784E-04	4.830E-04	4.830E-04	4.830E-04	-5.400E-04	8.850E-02	8.850E-02	8.850E-02	8.850E-02	8.850E-02	-2.100E-03	-2.100E-03
00132635	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1019	0.1019	0.1019	0.1019	0.1019	-6.000E-04	-6.000E-04
00132636	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1253	0.1253	0.1253	0.1253	0.1253	-4.700E-03	-4.700E-03
00132637	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1229	0.1229	0.1229	0.1229	0.1229	-3.100E-03	-3.100E-03
00132638	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	8.560E-02	8.560E-02	8.560E-02	8.560E-02	8.560E-02	-4.000E-04	-4.000E-04
00132639	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1331	0.1331	0.1331	0.1331	0.1331	-9.700E-03	-9.700E-03
00132640	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03
00132641	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03
00132642	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03
00132643	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03
00132644	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03
00132645	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03
00132646	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03
00132647	7.840E-05	9.023E-05	9.023E-05	-1.180E-05	5.333E-04	5.380E-04	5.333E-04	5.380E-04	5.380E-04	5.380E-04	-5.700E-04	0.1020	0.1020	0.1020	0.1020	0.1020	-2.000E-03	-2.000E-03

D256-10082-2

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

17 SEP 75

WATERGATA PART NO.: SC2213

TITLE: DEVICES: REGISTER

FILE NAME: SC2213AC

RODING PART NO.: 27-10336

9

DELTA

1975

V(OUT)

(5-1)

DELTA

1975

V(OUT)

(5-1)

SERIAL

1

1967

I (IN)

(12)

DELTA

1967

I (OUT)

(6-1)

DELTA

1975

V(OUT)

(5-1)

-4.500E-03

9.700E-02

9.310E-02

-6.600E-06

5.620E-04

5.555E-04

-1.500E-05

-1.500E-05

-8.400E-06

-1.000E-05

-1.000E-05

-3.000E-03

0.1050

8.221E-02

-4.200E-06

4.920E-04

4.756E-04

-9.600E-06

-9.600E-06

-9.600E-06

-9.600E-06

-9.600E-06

2.000E-04

8.200E-02

0.1192

-5.700E-06

5.600E-04

5.603E-04

-1.800E-05

-1.800E-05

-1.800E-05

-1.800E-05

-1.800E-05

-3.500E-03

9.300E-02

9.160E-02

-7.200E-06

5.110E-04

5.038E-04

-9.200E-06

-9.200E-06

-9.200E-06

-9.200E-06

-9.200E-06

-1.700E-03

0.1020

0.1003

-4.500E-06

5.270E-04

5.225E-04

-1.340E-05

-1.340E-05

-1.340E-05

-1.340E-05

-1.340E-05

-1.000E-04

9.600E-02

9.590E-02

-4.400E-06

5.210E-04

5.165E-04

-1.560E-05

-1.560E-05

-1.560E-05

-1.560E-05

-1.560E-05

-5.500E-04

7.700E-02

7.653E-02

-5.200E-06

4.820E-04

4.765E-04

-6.700E-06

-6.700E-06

-6.700E-06

-6.700E-06

-6.700E-06

-6.000E-04

9.000E-02

8.943E-02

-3.800E-06

5.660E-04

5.622E-04

-1.420E-05

-1.420E-05

-1.420E-05

-1.420E-05

-1.420E-05

-3.500E-03

0.1210

0.1191

-6.400E-06

5.670E-04

5.674E-04

-1.740E-05

-1.740E-05

-1.740E-05

-1.740E-05

-1.740E-05

-7.400E-03

0.1060

0.1016

-1.350E-05

5.300E-04

5.164E-04

-4.800E-06

-4.800E-06

-4.800E-06

-4.800E-06

-4.800E-06

-2.400E-03

9.600E-02

9.360E-02

-7.000E-06

5.420E-04

5.350E-04

-1.470E-05

-1.470E-05

-1.470E-05

-1.470E-05

-1.470E-05

-1.400E-02

7.300E-02

7.150E-02

-5.800E-06

5.850E-04

5.783E-04

-1.710E-05

-1.710E-05

-1.710E-05

-1.710E-05

-1.710E-05

-1.400E-03

0.1210

0.1195

-6.700E-06

5.700E-04

5.633E-04

-1.790E-05

-1.790E-05

-1.790E-05

-1.790E-05

-1.790E-05

-8.500E-03

0.1460

0.1375

-5.700E-06

5.720E-04

5.663E-04

-1.790E-05

-1.790E-05

-1.790E-05

-1.790E-05

-1.790E-05

-1.400E-03

7.700E-02

7.560E-02

-5.900E-06

4.600E-04

4.541E-04

-1.290E-05

-1.290E-05

-1.290E-05

-1.290E-05

-1.290E-05

-1.400E-03

0.1120

0.1071

-7.100E-06

5.250E-04

5.174E-04

-1.600E-05

-1.600E-05

-1.600E-05

-1.600E-05

-1.600E-05

-1.100E-03

9.300E-02

9.190E-02

-7.600E-06

5.140E-04

5.065E-04

-1.360E-05

-1.360E-05

-1.360E-05

-1.360E-05

-1.360E-05

-2.500E-03

0.1050

0.1021

-6.800E-06

4.970E-04

4.902E-04

-1.600E-05

-1.600E-05

-1.600E-05

-1.600E-05

-1.600E-05

-1.100E-03

9.700E-02

9.670E-02

-6.300E-06

5.180E-04

5.103E-04

-1.600E-05

-1.600E-05

-1.600E-05

-1.600E-05

-1.600E-05

-5.100E-03

0.1220

0.1187

-7.700E-06

5.310E-04

5.233E-04

-1.310E-05

-1.310E-05

-1.310E-05

-1.310E-05

-1.310E-05

-3.300E-03

9.700E-02

9.490E-02

-8.800E-06

5.720E-04

5.668E-04

-1.450E-05

-1.450E-05

-1.450E-05

-1.450E-05

-1.450E-05

-2.100E-03

0.1630

0.1512

-6.800E-06

5.190E-04

5.117E-04

-1.510E-05

-1.510E-05

-1.510E-05

-1.510E-05

-1.510E-05

-3.500E-03

0.1080

0.1049

-6.900E-06

5.230E-04

5.161E-04

-1.370E-05

-1.370E-05

-1.370E-05

-1.370E-05

-1.370E-05

-3.100E-03

0.1030

0.1029

-7.200E-06

5.070E-04

4.943E-04

-9.100E-06

-9.100E-06

-9.100E-06

-9.100E-06

-9.100E-06

-1.700E-03

9.900E-02

9.743E-02

-9.600E-06

5.160E-04

5.074E-04

-1.140E-05

-1.140E-05

-1.140E-05

-1.140E-05

-1.140E-05

-4.400E-03

0.1050

0.1039

-8.600E-06

5.210E-04

5.124E-04

-1.220E-05

-1.220E-05

-1.220E-05

-1.220E-05

-1.220E-05

-1.500E-03

5.900E-02

4.744E-02

-8.300E-06

4.910E-04

4

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOPOLA PART NO.: 5C2213		GOING PART NO.: 27-10336		17 SEP 75	
SERIAL	1 1967 I (IM) (2)	2 1974 I (IM) (2)	3 DELTA I (IM) (2)	4 1967 I (IM) (6-1)	5 1975 I (IM) (6-1)	6 DELTA I (IM) (6-1)	7 1967 V (OUT) (5-1)	8 1975 V (OUT) (5-1)	9 DELTA V (OUT) (5-1)
00133173	7.530E-05	8.46E-05	-1.93E-05	5.19E-04	5.20E-04	-8.50E-06	0.1156	0.1190	-4.40E-03
00133174	7.490E-05	8.75E-05	-1.26E-05	4.40E-04	4.92E-04	-7.30E-06	0.1082	0.1090	-3.80E-03
00133175	7.630E-05	8.45E-05	-1.22E-05	4.03E-04	4.89E-04	-6.40E-06	9.71E-02	9.90E-02	-1.90E-03
00133176	7.270E-05	8.44E-05	-1.17E-05	5.11E-04	5.19E-04	-6.60E-06	0.1202	0.1250	-6.90E-03
00133177	8.01E-05	7.62E-05	3.90E-06	5.20E-04	5.29E-04	-8.00E-06	8.63E-02	8.80E-02	-1.70E-03
00133178	8.130E-05	9.34E-05	-1.21E-05	4.67E-04	4.71E-04	-3.70E-06	7.90E-02	7.90E-02	0.0
00133179	7.780E-05	9.37E-05	-1.59E-05	5.18E-04	5.29E-04	-5.10E-06	9.13E-02	9.20E-02	-7.00E-04
00133180	7.140E-05	8.35E-05	-1.21E-05	4.92E-04	5.03E-04	-7.90E-06	0.1177	0.1210	-3.30E-03
00133181	8.55E-05	9.51E-05	-9.52E-06	4.74E-04	4.81E-04	-6.70E-06	8.39E-02	8.50E-02	-1.10E-03
00133182	7.17E-05	8.67E-05	-1.50E-05	5.21E-04	5.29E-04	-7.40E-06	0.1242	0.1300	-5.90E-03
00133183	7.46E-05	8.69E-05	-1.73E-05	4.95E-04	5.03E-04	-6.60E-06	0.1097	0.1140	-4.70E-03
00133184	6.85E-05	8.35E-05	-1.50E-05	4.98E-04	5.03E-04	-2.80E-06	0.1363	0.1380	-1.70E-03
00133185	6.780E-05	8.16E-05	-1.62E-05	5.13E-04	5.13E-04	-6.00E-06	0.1311	0.1360	-4.70E-03
00133186	7.05E-05	8.41E-05	-1.76E-05	5.64E-04	5.64E-04	-6.20E-06	0.1395	0.1460	-6.50E-03
00133187	7.09E-05	8.44E-05	-1.86E-05	5.37E-04	5.40E-04	-6.90E-06	0.1422	0.1490	-6.80E-03
00133188	8.10E-05	9.20E-05	-1.14E-05	4.72E-04	4.73E-04	-6.50E-06	7.18E-02	7.20E-02	-2.00E-04
00133189	7.27E-05	8.66E-05	-1.50E-05	5.34E-04	5.42E-04	-1.15E-05	0.1361	0.1440	-9.60E-03
00133190	7.21E-05	8.74E-05	-1.57E-05	5.89E-04	5.89E-04	-6.60E-06	0.1315	0.1370	-5.50E-03
00133191	7.23E-05	9.01E-05	-1.78E-05	5.51E-04	5.60E-04	-7.10E-06	0.1451	0.1540	-4.70E-03
00133192	7.00E-05	8.35E-05	-1.35E-05	5.03E-04	5.03E-04	-5.73E-06	0.1261	0.1410	-4.70E-03
00133193	7.62E-05	8.90E-05	-1.24E-05	4.89E-04	4.93E-04	-5.50E-06	0.1026	0.1050	-2.40E-03
00133194	7.05E-05	8.60E-05	-1.55E-05	5.03E-04	5.03E-04	-5.10E-06	0.1210	0.1250	-3.40E-03
00133195	7.140E-05	8.42E-05	-1.24E-05	4.74E-04	4.83E-04	-5.50E-06	9.84E-02	0.1010	-2.60E-03
00133196	7.52E-05	1.07E-04	-2.20E-05	5.64E-04	5.63E-04	-5.63E-06	0.1229	0.1290	-4.20E-03
00133197	7.79E-05	8.45E-05	-1.66E-05	5.34E-04	5.39E-04	-4.90E-06	0.1435	0.1500	-6.50E-03
00133198	7.38E-05	8.80E-05	-1.20E-05	4.73E-04	4.80E-04	-4.73E-06	9.41E-02	9.60E-02	-1.90E-03
00133199	8.34E-05	1.00E-04	-1.79E-05	6.21E-04	6.26E-04	-4.90E-06	0.1125	0.1160	-3.40E-03
00133200	7.78E-05	8.95E-05	-1.17E-05	5.19E-04	5.24E-04	-6.50E-06	0.1165	0.1200	-3.50E-03
00133201	7.14E-05	9.05E-05	-1.91E-05	5.51E-04	5.57E-04	-5.10E-06	0.1305	0.1390	-4.50E-03
00133202	7.41E-05	9.10E-05	-1.84E-05	5.61E-04	5.69E-04	-5.90E-06	0.1231	0.1240	-4.20E-03
00133203	7.82E-05	9.19E-05	-1.81E-05	5.63E-04	5.69E-04	-7.00E-06	0.1199	0.1260	-6.10E-03
00133204	8.21E-05	9.34E-05	-1.70E-05	5.62E-04	5.68E-04	-6.02E-06	0.1219	0.1260	-4.10E-03
00133205	7.34E-05	8.71E-05	-1.37E-05	4.72E-04	4.79E-04	-3.00E-06	9.21E-02	9.20E-02	-1.00E-04
00133206	8.33E-05	9.91E-05	-1.54E-05	5.61E-04	5.69E-04	-6.40E-06	0.1308	0.1370	-6.20E-03
00133207	8.89E-05	1.00E-04	-1.81E-05	5.15E-04	5.19E-04	-2.70E-06	0.1292	0.1310	-1.80E-03
00133208	7.73E-05	8.95E-05	-1.19E-05	4.66E-04	4.81E-04	-4.81E-06	7.18E-02	7.20E-02	-2.90E-04
00133209	8.45E-05	9.30E-05	-1.65E-05	5.38E-04	5.50E-04	-5.90E-06	0.1274	0.1320	-4.70E-03
00133210	6.41E-05	8.46E-05	-1.85E-05	5.26E-04	5.11E-04	-4.13E-06	0.1016	0.1270	-3.52E-02
00133211	7.21E-05	8.60E-05	-1.50E-05	4.72E-04	4.85E-04	-6.40E-06	0.1306	0.1360	-5.40E-03
00133212	6.13E-05	7.66E-05	-1.53E-05	4.65E-04	4.72E-04	-4.27E-06	0.1261	0.1290	-2.90E-03
00133213	8.49E-05	8.40E-05	-1.51E-05	4.84E-04	4.89E-04	-3.20E-06	0.1069	0.1090	-2.10E-03
00133214	9.42E-05	9.42E-05	-1.77E-05	5.61E-04	5.64E-04	-2.90E-06	0.1375	0.1430	-5.50E-03
00133215	7.04E-05	8.15E-05	-1.11E-05	4.66E-04	4.85E-04	-1.40E-06	8.62E-02	8.70E-02	-9.00E-04
00133216	7.59E-05	7.55E-05	-1.66E-05	4.50E-04	4.54E-04	-3.93E-06	0.1427	0.1460	-5.90E-03
00133217	7.46E-05	9.78E-05	-1.02E-05	5.47E-04	5.30E-04	-5.20E-06	0.1067	0.1090	-2.30E-03
00133218	6.35E-05	7.45E-05	-1.51E-05	4.74E-04	4.81E-04	-5.10E-06	0.1270	0.1300	-3.00E-03
00133219	8.23E-05	7.45E-05	-1.51E-05	5.46E-04	5.27E-04	-5.50E-06	0.1150	0.1160	-4.00E-03
00133220	8.49E-05	8.47E-05	-1.84E-05	5.74E-04	5.74E-04	-3.70E-06	0.1417	0.1460	-4.20E-03
00133221	7.18E-05	9.01E-05	-1.73E-05	5.46E-04	5.51E-04	-4.10E-06	0.1354	0.1390	-3.60E-03

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC	TITLE: DEVICE: REGISTER			MOTOROLA PART NO.: SC2213			GOING PART NO.: 27-13336			17 SEP 75		
SERIAL	1 1967 I (IN) (2)	2 1975 I (IN) (2)	3 DELTA I (IN) (2)	4 1967 I (OUT) (6-1)	5 1975 I (OUT) (6-1)	6 DELTA I (OUT) (6-1)	7 1967 V (OUT) (5-1)	8 1975 V (OUT) (5-1)	9 DELTA V (OUT) (5-1)			
00133490	6.640E-05	8.590E-05	-1.950E-05	5.431E-04	5.450E-04	-1.900E-04	0.1359	0.1390	-3.100E-03			
00133491	7.870E-05	9.760E-05	-1.890E-05	5.585E-04	5.650E-04	-6.400E-04	0.1354	0.1440	-8.200E-03			
00133492	6.890E-05	8.430E-05	-1.540E-05	5.392E-04	5.450E-04	-6.000E-04	0.1340	0.1340	-6.000E-03			
00133493	6.930E-05	9.540E-05	-1.610E-05	5.208E-04	5.250E-04	-5.600E-04	0.1178	0.1210	-3.200E-03			
00133494	6.730E-05	8.520E-05	-1.790E-05	5.260E-04	5.320E-04	-5.100E-04	0.1553	0.1690	-1.700E-02			
00133495	6.490E-05	7.960E-05	-1.470E-05	4.570E-04	4.620E-04	-4.200E-04	0.1142	0.1180	-3.600E-03			
00133496	6.480E-05	8.330E-05	-1.850E-05	4.450E-04	4.490E-04	-4.000E-04	0.1108	0.1130	-3.200E-03			
00133497	7.430E-05	8.720E-05	-1.290E-05	4.450E-04	4.490E-04	-4.000E-04	7.620E-02	7.600E-02	2.000E-04			
00133498	8.100E-05	9.370E-05	-1.270E-05	5.628E-04	5.680E-04	-5.600E-04	0.1293	0.1340	-4.700E-03			
00133499	7.600E-05	8.930E-05	-1.330E-05	5.415E-04	5.520E-04	-1.060E-04	0.1280	0.1370	-9.000E-03			
00133500	7.090E-05	9.650E-05	-1.560E-05	5.428E-04	5.500E-04	-7.600E-04	0.1304	0.1470	-8.200E-03			
00133501	6.690E-05	7.630E-05	-9.400E-06	4.545E-04	4.680E-04	-1.190E-05	0.1207	0.1310	-1.030E-02			
00133502	7.880E-05	9.320E-05	-1.440E-05	5.458E-04	5.570E-04	-1.170E-05	0.1221	0.1330	-7.600E-03			
00133503	8.400E-05	9.720E-05	-1.320E-05	5.628E-04	5.700E-04	-7.600E-04	0.1176	0.1220	-4.400E-03			
00133504	6.670E-05	8.450E-05	-1.780E-05	5.238E-04	5.280E-04	-4.700E-04	0.1344	0.1400	-5.400E-03			
00133505	7.310E-05	9.050E-05	-1.740E-05	5.430E-04	5.490E-04	-5.100E-04	0.1299	0.1330	-3.100E-03			
00133506	8.070E-05	9.860E-05	-1.790E-05	5.730E-04	5.790E-04	-5.000E-04	0.1158	0.1190	-3.200E-03			
00133507	8.520E-05	1.009E-04	-1.570E-05	5.662E-04	5.720E-04	-5.000E-04	0.1042	0.1060	-1.800E-03			
00133508	8.400E-05	1.004E-04	-1.560E-05	5.649E-04	5.710E-04	-6.100E-04	0.1009	0.1070	-2.100E-03			
00133509	7.020E-05	8.610E-05	-1.590E-05	5.202E-04	5.360E-04	-6.000E-04	0.1297	0.1290	-8.800E-03			
00133510	7.510E-05	9.050E-05	-1.540E-05	5.350E-04	5.420E-04	-7.000E-04	0.1237	0.1270	-5.300E-03			
00133511	6.260E-05	7.930E-05	-1.670E-05	4.936E-04	5.010E-04	-5.600E-04	0.1298	0.1350	-5.200E-03			
00133512	7.550E-05	9.140E-05	-1.590E-05	5.339E-04	5.410E-04	-5.100E-04	0.1171	0.1210	-3.900E-03			
00133513	6.580E-05	8.360E-05	-1.780E-05	5.195E-04	5.210E-04	-5.100E-04	0.1457	0.1480	-1.730E-02			
00133514	7.400E-05	9.610E-05	-1.210E-05	4.489E-04	4.540E-04	-5.100E-04	8.700E-02	8.800E-02	-1.000E-03			
00133515	8.430E-05	9.940E-05	-1.510E-05	5.749E-04	5.810E-04	-7.100E-04	9.640E-02	9.700E-02	-6.000E-04			
00133516	8.300E-05	9.740E-05	-1.360E-05	5.586E-04	5.640E-04	-7.400E-04	0.1384	0.1490	-1.020E-02			
00133517	6.690E-05	8.390E-05	-1.700E-05	5.338E-04	5.400E-04	-7.200E-04	0.1384	0.1480	-7.200E-03			
00133518	7.490E-05	9.160E-05	-1.640E-05	5.657E-04	5.730E-04	-7.100E-04	0.1306	0.1360	-5.400E-03			
00133519	7.450E-05	9.200E-05	-1.650E-05	5.783E-04	5.850E-04	-6.700E-04	0.1259	0.1300	-5.100E-03			
00133520	7.540E-05	9.210E-05	-1.670E-05	5.575E-04	5.630E-04	-6.000E-04	0.1253	0.1290	-3.700E-03			
00133521	6.840E-05	8.260E-05	-1.420E-05	4.704E-04	4.750E-04	-4.400E-04	9.990E-02	0.1010	-2.100E-03			
00133522	6.900E-05	8.720E-05	-1.740E-05	5.478E-04	5.540E-04	-5.200E-04	0.1505	0.1590	-8.500E-03			
00133523	7.600E-05	8.910E-05	-1.310E-05	5.196E-04	5.250E-04	-5.400E-04	0.1071	0.1090	-1.900E-03			
00133524	7.930E-05	9.750E-05	-1.820E-05	5.652E-04	5.750E-04	-5.600E-04	0.1217	0.1280	-4.300E-03			
00133525	7.290E-05	9.150E-05	-1.870E-05	5.490E-04	5.540E-04	-5.100E-04	0.1271	0.1310	-3.900E-03			
00133526	7.410E-05	8.670E-05	-1.260E-05	4.600E-04	4.600E-04	-4.600E-04	9.260E-02	9.500E-02	-1.400E-03			
00133527	6.910E-05	8.800E-05	-1.890E-05	5.332E-04	5.370E-04	-4.600E-04	0.1372	0.1410	-5.900E-03			
00133528	6.910E-05	9.050E-05	-2.140E-05	5.518E-04	5.570E-04	-5.200E-04	0.1543	0.1610	-7.000E-03			
00133529	7.070E-05	9.030E-05	-1.960E-05	5.266E-04	5.310E-04	-5.200E-04	0.1160	0.1190	-3.000E-03			
00133530	6.230E-05	7.970E-05	-1.740E-05	4.948E-04	4.910E-04	-4.900E-04	0.1284	0.1330	-4.200E-03			
00133531	7.540E-05	9.150E-05	-1.610E-05	5.190E-04	5.210E-04	-4.900E-04	0.1132	0.1140	-4.000E-04			
00133532	7.540E-05	9.150E-05	-1.590E-05	4.770E-04	4.770E-04	-4.700E-04	0.1217	0.1240	-2.800E-03			
00133533	6.540E-05	8.410E-05	-1.860E-05	5.635E-04	5.640E-04	-5.600E-04	0.1454	0.1530	-7.200E-03			
00133534	6.100E-05	7.820E-05	-1.720E-05	4.967E-04	5.010E-04	-5.400E-04	0.1237	0.1230	-2.800E-03			
00133535	6.640E-05	8.360E-05	-1.720E-05	5.202E-04	5.230E-04	-5.100E-04	0.1291	0.1330	-3.900E-03			
00133536	7.400E-05	9.100E-05	-1.700E-05	5.196E-04	5.250E-04	-5.100E-04	9.710E-02	9.800E-02	-9.000E-04			
00133537	7.400E-05	9.100E-05	-1.700E-05	5.196E-04	5.250E-04	-5.100E-04	0.1655	0.1730	-1.200E-02			
00133538	7.400E-05	9.100E-05	-1.700E-05	5.196E-04	5.250E-04	-5.100E-04	0.1731	0.1731	-2.700E-03			
00133539	7.400E-05	9.100E-05	-1.700E-05	5.196E-04	5.250E-04	-5.100E-04	9.750E-02	9.900E-02	-1.500E-03			

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TABLE S-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		BOEING PART NO.: 27-10336		17 SEP 75	
SERIAL	1 1967 I (IN) (2)	2 1975 I (IN) (2)	3 DELTA I (IN) (2)	4 1967 I (OUT) (6-1)	5 1975 I (OUT) (6-1)	6 DELTA I (OUT) (6-1)	7 1967 V (OUT) (5-1)	8 1975 V (OUT) (5-1)	9 DELTA V (OUT) (5-1)
00133686	6.620E-05	9.733E-05	-1.810E-05	4.665E-04	4.700E-04	-3.500E-05	0.1075	0.1093	-1.503E-03
00133687	7.253E-05	8.260E-05	-1.010E-05	4.375E-04	4.413E-04	-3.500E-05	9.030E-02	9.000E-02	3.000E-04
00133688	7.325E-05	9.123E-05	-1.800E-05	5.569E-04	5.672E-04	-5.100E-05	0.1313	0.1350	-3.700E-03
00133689	7.123E-05	8.550E-05	-1.870E-05	5.268E-04	5.393E-04	-1.020E-05	0.1313	0.1390	-8.000E-03
00133690	6.902E-05	8.570E-05	-1.670E-05	5.382E-04	5.430E-04	-4.800E-05	0.1347	0.1400	-5.700E-03
00133691	7.963E-05	7.792E-05	-1.930E-05	5.643E-04	5.703E-04	-5.700E-05	0.1245	0.1290	-4.400E-03
00133692	6.733E-05	8.423E-05	-1.870E-05	5.233E-04	5.280E-04	-4.700E-05	0.1254	0.1310	-4.400E-03
00133693	8.310E-05	9.703E-05	-1.500E-05	5.744E-04	5.810E-04	-6.400E-05	0.1041	0.1100	-1.500E-03
00133694	8.162E-05	9.130E-05	-1.700E-05	5.064E-04	5.170E-04	-5.600E-05	9.033E-02	9.100E-02	-7.000E-04
00133734	7.733E-05	9.993E-05	-1.390E-05	5.303E-04	5.370E-04	-6.700E-05	0.1103	0.1150	-4.200E-03
00133735	7.943E-05	9.542E-05	-1.670E-05	5.674E-04	5.733E-04	-5.600E-05	0.1233	0.1280	-5.000E-03
00133736	7.750E-05	9.550E-05	-1.700E-05	5.696E-04	5.763E-04	-6.400E-05	0.1061	0.1090	-2.900E-03
00133737	8.243E-05	9.670E-05	-1.500E-05	5.245E-04	5.310E-04	-7.700E-05	9.393E-02	9.500E-02	-2.100E-03
00133738	8.873E-05	9.610E-05	-7.500E-05	5.195E-04	5.297E-04	-6.400E-05	9.063E-02	9.300E-02	-2.400E-03
00133739	8.073E-05	1.200E-04	-1.210E-05	6.223E-04	6.310E-04	-8.700E-05	0.1043	0.1130	-4.200E-03
00133740	7.743E-05	9.280E-05	-1.540E-05	5.362E-04	5.440E-04	-7.900E-05	0.1087	0.1150	-4.300E-03
00133741	7.520E-05	8.960E-05	-1.540E-05	5.280E-04	5.340E-04	-6.000E-05	0.1162	0.1200	-3.800E-03
00133742	7.783E-05	9.240E-05	-1.510E-05	5.673E-04	5.750E-04	-7.700E-05	0.1124	0.1170	-4.600E-03
00133743	9.150E-05	9.650E-05	-1.500E-05	5.686E-04	5.760E-04	-7.600E-05	0.1104	0.1160	-3.400E-03
00133744	7.993E-05	9.170E-05	-1.240E-05	5.243E-04	5.310E-04	-6.700E-05	0.1059	0.1093	-3.100E-03
00133745	8.873E-05	9.550E-05	-1.030E-05	5.254E-04	5.340E-04	-8.600E-05	9.453E-02	9.700E-02	-2.500E-03
00133746	7.402E-05	9.220E-05	-0.570E-05	4.423E-04	4.490E-04	-5.900E-05	7.470E-02	7.600E-02	-1.200E-03
00133747	7.643E-05	9.253E-05	-1.270E-05	5.627E-04	5.693E-04	-5.300E-05	0.1108	0.1160	-3.200E-03
00133748	8.150E-05	9.543E-05	-1.300E-05	5.852E-04	5.940E-04	-8.600E-05	0.1451	0.1570	-1.100E-02
00133750	7.393E-05	8.793E-05	-8.400E-05	4.315E-04	4.370E-04	-5.600E-05	7.260E-02	7.400E-02	-1.400E-03
00133751	7.463E-05	9.223E-05	-1.830E-05	5.534E-04	5.610E-04	-7.600E-05	0.1045	0.1190	-5.400E-03
00133752	7.973E-05	9.520E-05	-1.550E-05	5.254E-04	5.307E-04	-7.500E-05	0.1065	0.1100	-5.400E-03
00133771	7.893E-05	8.870E-05	-9.130E-05	4.850E-04	4.903E-04	-5.000E-05	9.273E-02	9.400E-02	-1.300E-03
00133772	7.563E-05	9.163E-05	-1.900E-05	5.532E-04	5.603E-04	-5.800E-05	0.1134	0.1160	-4.400E-03
00133773	8.143E-05	9.440E-05	-1.200E-05	5.431E-04	5.497E-04	-5.400E-05	0.1104	0.1130	-2.800E-03
00133774	8.143E-05	9.440E-05	-1.200E-05	5.431E-04	5.497E-04	-5.400E-05	0.1104	0.1130	-2.800E-03
00133775	7.543E-05	8.992E-05	-1.260E-05	5.297E-04	5.368E-04	-5.100E-05	0.1134	0.1170	-3.400E-03
00133776	7.893E-05	9.393E-05	-1.570E-05	5.701E-04	5.770E-04	-6.900E-05	0.1104	0.1160	-3.600E-03
00133777	7.363E-05	1.021E-04	-2.140E-05	5.953E-04	6.020E-04	-6.100E-05	0.1178	0.1210	-3.200E-03
00133779	8.423E-05	9.723E-05	-1.300E-05	5.403E-04	5.470E-04	-5.700E-05	0.1093	0.1130	-3.600E-03
00133780	8.303E-05	9.633E-05	-9.300E-05	5.158E-04	5.250E-04	-9.800E-05	0.1709	0.1740	-8.100E-03
00133781	7.943E-05	9.463E-05	-1.520E-05	5.644E-04	5.760E-04	-7.800E-05	0.1334	0.1410	-7.600E-03
00133782	7.823E-05	9.153E-05	-1.630E-05	5.754E-04	5.823E-04	-6.800E-05	0.1346	0.1400	-5.500E-03
00133783	7.310E-05	9.070E-05	-1.500E-05	5.277E-04	5.340E-04	-6.100E-05	0.1203	0.1250	-5.700E-03
00133784	7.633E-05	9.263E-05	-1.300E-05	5.754E-04	5.823E-04	-6.800E-05	0.1215	0.1270	-5.500E-03
00133785	7.403E-05	8.403E-05	-1.200E-05	4.504E-04	4.570E-04	-6.700E-05	8.010E-02	8.000E-02	-1.000E-04
00133786	7.953E-05	9.393E-05	-1.600E-05	5.143E-04	5.210E-04	-6.700E-05	9.833E-02	0.1300	-1.700E-03
00133787	8.023E-05	9.393E-05	-1.600E-05	5.314E-04	5.380E-04	-1.100E-05	0.1114	0.1160	-6.200E-03
00133788	8.353E-05	9.643E-05	-1.810E-05	5.713E-04	5.810E-04	-9.100E-05	0.1193	0.1250	-5.200E-03
00133789	8.053E-05	9.443E-05	-1.830E-05	5.567E-04	5.650E-04	-8.300E-05	0.1139	0.1180	-4.100E-03
00133790	7.943E-05	9.403E-05	-1.830E-05	5.664E-04	5.750E-04	-8.600E-05	0.1075	0.1120	-4.400E-03
00133791	8.383E-05	9.673E-05	-1.830E-05	5.607E-04	5.700E-04	-9.100E-05	0.1299	0.1307	-9.100E-03
00133792	7.943E-05	9.313E-05	-1.830E-05	5.636E-04	5.720E-04	-9.400E-05	0.1264	0.1310	-6.600E-03
00133793	8.030E-05	9.610E-05	-1.840E-05	5.875E-04	5.970E-04	-9.500E-05	0.1170	0.1230	-8.000E-03
00133831	7.770E-05	9.303E-05	-1.670E-05	5.770E-04	5.863E-04	-9.000E-05	0.1275	0.1350	-6.500E-03

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

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FILE NAME: SC2213AC TITLE: DEVICES: REGISTER

MOCKOLA PART NO.: SC2213 ROEING PART NO.: 27-13136

SERIAL	1 1967 (12)	2 1975 (12)	3 DELTA (12)	4 1967 (16-1)	5 1975 (16-1)	6 DELTA (16-1)	7 1967 (15-1)	8 1975 (15-1)	9 DELTA (15-1)
00133832	7.780E-05	9.490E-05	-7.100E-06	4.221E-04	4.280E-04	-5.900E-06	5.743E-02	5.800E-02	-6.000E-04
00133833	7.870E-05	8.540E-05	-1.070E-05	5.149E-04	5.430E-04	-8.100E-05	0.1102	0.1150	-8.400E-03
00133834	7.802E-05	8.610E-05	-1.310E-05	5.230E-04	5.310E-04	-9.000E-06	0.1112	0.1150	-3.400E-03
00133835	7.430E-05	8.350E-05	-9.230E-06	4.290E-04	4.360E-04	-6.100E-06	6.910E-02	7.100E-02	-1.900E-03
00133836	7.790E-05	9.100E-05	-1.310E-05	5.515E-04	5.600E-04	-9.500E-06	0.1179	0.1230	-5.100E-03
00133837	7.770E-05	9.400E-05	-1.630E-05	5.800E-04	5.890E-04	-9.000E-06	0.1210	0.1270	-6.000E-03
00133838	8.340E-05	9.560E-05	-1.220E-05	5.754E-04	5.830E-04	-7.500E-06	0.1177	0.1270	-6.300E-03
00133839	7.300E-05	8.450E-05	-1.290E-05	4.782E-04	4.850E-04	-6.800E-06	9.810E-02	0.1010	-2.900E-03
00133840	7.200E-05	8.990E-05	-1.730E-05	5.460E-04	5.530E-04	-7.000E-06	0.1402	0.1510	-1.090E-02
00133841	7.710E-05	9.220E-05	-1.510E-05	5.282E-04	5.320E-04	-3.800E-06	0.1087	0.1110	-2.300E-03
00133842	7.410E-05	9.170E-05	-1.560E-05	6.983E-04	5.610E-04	-2.700E-06	0.1144	0.1160	-1.400E-03
00133843	8.350E-05	9.750E-05	-1.400E-05	5.812E-04	5.890E-04	-6.800E-06	0.1224	0.1270	-6.400E-03
00133844	7.440E-05	9.360E-05	-1.020E-05	5.630E-04	5.670E-04	-6.000E-06	0.1121	0.1150	-2.900E-03
00133845	8.220E-05	9.700E-05	-1.440E-05	5.730E-04	5.810E-04	-8.000E-06	9.830E-02	0.1010	-2.700E-03
00133846	7.290E-05	9.400E-05	-1.550E-05	5.721E-04	5.790E-04	-4.900E-06	0.1222	0.1270	-4.800E-03
00133847	7.680E-05	9.480E-05	-1.290E-05	5.121E-04	5.190E-04	-6.900E-06	0.1022	0.1050	-2.800E-03
00133848	7.780E-05	9.050E-05	-1.270E-05	5.161E-04	5.220E-04	-5.900E-06	0.1014	0.1050	-3.600E-03
00133849	7.970E-05	9.060E-05	-1.350E-05	5.084E-04	5.130E-04	-7.400E-06	0.1137	0.1190	-5.300E-03
00133850	8.000E-05	9.600E-05	-1.500E-05	5.815E-04	5.900E-04	-4.500E-06	0.1370	0.1470	-1.900E-02
00133851	8.000E-05	9.600E-05	-1.500E-05	5.678E-04	5.730E-04	-5.200E-06	0.1162	0.1180	-1.600E-03
00133852	7.570E-05	9.710E-05	-1.140E-05	5.119E-04	5.170E-04	-5.100E-06	0.1233	0.1280	-4.700E-03
00133853	8.120E-05	9.200E-05	-1.390E-05	5.026E-04	5.080E-04	-5.400E-06	9.660E-02	9.700E-02	-4.000E-04
00133854	8.340E-05	9.450E-05	-1.110E-05	5.010E-04	5.070E-04	-6.000E-06	7.870E-02	7.900E-02	-3.000E-04
00133855	8.210E-05	9.510E-05	-1.300E-05	5.637E-04	5.690E-04	-5.100E-06	0.1049	0.1090	-2.200E-03
00133856	7.840E-05	9.280E-05	-1.500E-05	5.528E-04	5.600E-04	-7.200E-06	0.1133	0.1150	-4.000E-03

0256-10082-2

TABLE S-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		ROEING PART NO.: 27-10336		17 SEP 75	
SERIAL	10 1967 V (U)	11 1975 V (U)	12 DELTA V (U)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (OT)	17 1975 I (OT)	18 DELTA I (OT)
	(6-1)	(6-1)	(6-1)						
00130006	7.050E-02	7.100E-02	-5.000E-04	4.000E-07	1.500E-07	2.500E-07	9.000E-09	2.000E-09	7.000E-09
00130007	8.870E-02	9.900E-02	-3.200E-04	5.000E-07	1.500E-07	3.500E-07	3.700E-08	3.100E-08	6.000E-09
00130008	9.320E-02	9.400E-02	-8.000E-04	5.000E-07	1.100E-07	3.700E-07	2.200E-08	1.400E-08	8.000E-09
00130009	9.300E-02	9.400E-02	-1.000E-03	4.000E-07	1.500E-07	2.500E-07	5.100E-08	4.100E-08	1.200E-08
00130010	7.320E-02	7.100E-02	-8.000E-04	6.000E-07	1.400E-07	4.400E-07	3.700E-08	3.200E-08	5.000E-09
00130011	8.330E-02	8.100E-02	-3.000E-03	4.000E-07	1.500E-07	2.500E-07	2.500E-08	1.200E-08	1.300E-08
00130012	9.370E-02	9.100E-02	-3.300E-03	5.000E-07	1.100E-07	3.700E-07	8.000E-08	1.120E-07	-2.400E-08
00130014	8.440E-02	8.400E-02	-1.800E-03	4.000E-07	1.400E-07	2.600E-07	5.200E-08	2.700E-08	3.000E-08
00130015	7.130E-02	7.200E-02	-7.000E-04	2.600E-06	3.400E-07	2.230E-06	5.100E-08	1.100E-08	4.000E-08
00130016	8.270E-02	8.100E-02	-3.700E-04	4.000E-07	1.400E-07	2.400E-07	2.900E-08	1.200E-08	2.500E-08
00130017	9.240E-02	9.400E-02	-1.600E-03	4.000E-07	1.500E-07	2.500E-07	8.000E-08	4.100E-08	3.400E-08
00130018	0.1300	0.1300	-3.000E-03	7.100E-06	1.500E-07	6.310E-06	5.700E-08	4.200E-08	1.500E-08
00130019	0.1016	0.1016	-4.000E-04	3.000E-07	1.300E-07	1.700E-07	1.200E-08	1.100E-08	1.000E-08
00130010	7.440E-02	7.400E-02	4.000E-04	2.300E-06	3.400E-07	1.040E-06	4.400E-08	6.500E-08	-1.000E-09
00130011	8.590E-02	8.500E-02	9.000E-04	3.000E-07	1.400E-07	1.600E-07	4.000E-09	1.000E-09	3.000E-09
00130012	7.900E-02	7.900E-02	-1.000E-04	4.000E-07	1.500E-07	2.500E-07	1.800E-08	1.400E-08	4.000E-09
00130013	8.540E-02	8.500E-02	4.000E-04	4.000E-07	1.500E-07	2.500E-07	9.000E-09	1.000E-09	9.000E-09
00130014	9.500E-02	9.500E-02	-8.000E-04	3.000E-07	1.400E-07	1.600E-07	1.700E-08	1.100E-08	6.000E-09
00130015	6.540E-02	6.500E-02	-3.000E-04	5.000E-07	1.700E-07	5.300E-07	7.200E-08	1.700E-08	1.000E-08
00130016	9.040E-02	9.000E-02	-1.100E-03	6.000E-07	1.500E-07	4.500E-07	2.400E-08	1.100E-08	1.300E-08
00130017	9.170E-02	9.100E-02	-3.000E-04	5.000E-07	1.500E-07	3.500E-07	1.700E-08	1.400E-08	3.700E-08
00130018	8.550E-02	8.600E-02	5.000E-04	4.000E-07	1.400E-07	1.700E-07	9.000E-09	1.000E-09	1.000E-09
00130019	7.920E-02	7.900E-02	2.000E-04	4.000E-07	1.600E-07	3.400E-07	5.600E-08	4.100E-08	1.700E-08
00130020	6.600E-02	6.600E-02	4.000E-04	5.000E-06	5.900E-07	4.010E-06	2.200E-08	1.100E-08	1.000E-08
00130021	9.550E-02	9.500E-02	5.000E-04	3.000E-07	1.300E-07	1.700E-07	1.100E-08	9.000E-09	2.000E-09
00130022	7.800E-02	7.800E-02	0.0	4.000E-07	1.500E-07	2.500E-07	9.000E-09	5.000E-09	4.000E-09
00130023	9.030E-02	9.000E-02	3.000E-04	4.000E-07	1.400E-07	2.400E-07	8.000E-09	5.000E-09	3.000E-09
00130024	8.700E-02	8.700E-02	2.000E-04	4.000E-07	1.400E-07	2.400E-07	8.000E-09	5.000E-09	-1.000E-09
00130025	8.050E-02	8.000E-02	5.000E-04	2.000E-06	1.200E-07	1.500E-06	4.500E-08	6.100E-08	-1.000E-08
00130026	5.730E-02	5.700E-02	3.000E-04	2.400E-06	3.100E-07	2.070E-06	8.000E-07	7.000E-07	1.000E-07
00130027	9.030E-02	9.000E-02	-1.700E-03	9.000E-06	1.000E-06	9.000E-06	8.000E-08	1.100E-08	5.700E-08
00130028	7.310E-02	7.400E-02	-9.000E-04	6.000E-04	7.700E-07	5.930E-06	5.900E-08	1.700E-08	5.700E-08
00130029	9.620E-02	9.600E-02	-1.400E-03	4.000E-07	1.400E-07	2.500E-07	6.300E-08	1.100E-08	5.200E-08
00130030	8.820E-02	8.800E-02	-1.800E-03	7.000E-07	1.700E-07	5.300E-07	7.200E-08	1.100E-08	6.100E-08
00130031	7.140E-02	7.100E-02	-5.000E-04	1.100E-06	2.100E-07	8.900E-07	6.400E-08	1.100E-08	5.200E-08
00130032	9.260E-02	9.200E-02	-1.400E-03	4.000E-07	1.500E-07	2.500E-07	1.350E-07	7.500E-08	6.000E-08
00130033	8.510E-02	8.600E-02	-9.000E-04	4.000E-07	1.400E-07	2.600E-07	5.700E-08	5.000E-08	5.200E-08
00130034	8.320E-02	8.400E-02	-8.000E-04	1.000E-06	2.200E-07	7.800E-07	8.100E-08	3.100E-08	5.000E-08
00130035	8.040E-02	8.000E-02	4.000E-04	2.300E-06	3.700E-07	1.900E-06	6.200E-08	1.100E-08	5.100E-08
00130036	5.190E-02	5.400E-02	-1.000E-03	1.400E-06	2.200E-07	1.140E-06	7.500E-08	2.100E-08	5.400E-08
00130037	8.450E-02	8.400E-02	-4.000E-04	4.000E-07	1.500E-07	2.500E-07	4.600E-08	1.000E-08	5.500E-08
00130038	7.440E-02	7.400E-02	-4.000E-04	5.000E-07	1.500E-07	2.500E-07	9.000E-08	1.400E-08	5.500E-08
00130039	9.040E-02	9.000E-02	-1.800E-03	4.000E-07	1.400E-07	2.400E-07	6.600E-08	1.100E-08	5.500E-08
00130040	0.1008	0.1008	-2.000E-03	3.000E-07	1.400E-07	1.400E-07	1.020E-07	5.100E-07	6.100E-07
00130041	8.740E-02	8.700E-02	-1.400E-03	4.000E-07	1.400E-07	2.400E-07	1.340E-07	8.500E-07	4.000E-07
00130042	9.030E-02	9.000E-02	3.000E-04	4.000E-07	1.400E-07	2.400E-07	5.000E-08	1.000E-08	5.000E-08
00130043	9.260E-02	9.200E-02	-2.400E-03	1.200E-06	2.100E-07	9.900E-07	2.200E-08	1.100E-08	5.100E-08
00130044	9.410E-02	9.400E-02	-1.900E-03	3.000E-07	1.400E-07	1.400E-07	4.700E-08	1.100E-08	5.100E-08
00130045	7.650E-02	7.600E-02	-1.500E-03	6.000E-07	1.500E-07	4.600E-07	5.900E-08	9.000E-08	5.000E-08

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		MOTOROLA PART NO.: 27-10336		17 SEP 75	
SERIAL	10 1967 V (OL) (6-1)	11 1975 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 I (LI)	14 1975 I (LI)	15 DELTA I (LI)	16 1967 I (RT)	17 1975 I (PT)	18 DELTA I (RT)
00130329	9.670E-02	9.800E-02	-1.300E-03	3.300E-06	4.500E-07	2.450E-05	6.700E-08	1.100E-08	5.600E-08
00130329	9.370E-02	8.500E-02	-1.300E-03	8.000E-07	1.900E-07	6.100E-07	5.500E-08	1.000E-09	5.400E-08
00130330	7.700E-02	7.400E-02	-1.000E-03	5.000E-07	1.500E-07	2.500E-07	5.600E-08	1.000E-09	5.500E-08
00130331	7.160E-02	7.200E-02	-4.300E-04	5.000E-07	1.400E-07	3.600E-07	7.000E-08	1.200E-09	5.400E-08
00130332	5.400E-02	5.400E-02	0.0	1.000E-06	2.000E-07	8.000E-07	7.100E-08	1.100E-09	6.000E-08
00130333	0.1125	0.1140	-3.500E-03	4.000E-07	1.400E-07	2.600E-07	8.800E-08	4.200E-08	4.600E-08
00130334	9.470E-02	9.700E-02	-1.300E-03	4.000E-07	1.400E-07	2.600E-07	1.050E-07	6.200E-08	4.300E-08
00130335	0.1012	0.1040	-2.700E-03	4.000E-07	1.400E-07	2.600E-07	5.600E-08	1.000E-09	5.500E-08
00130336	8.990E-02	9.100E-02	-1.100E-03	4.000E-07	1.500E-07	2.500E-07	6.300E-08	1.100E-08	5.200E-08
00130337	8.700E-02	9.200E-02	-2.100E-03	8.900E-06	1.000E-06	7.900E-06	1.390E-07	6.500E-08	7.400E-08
00130338	9.840E-02	0.1020	-3.600E-03	6.000E-07	1.700E-07	4.300E-07	5.500E-08	1.000E-08	5.500E-08
00130339	9.680E-02	9.900E-02	-2.300E-03	2.400E-06	3.500E-07	2.000E-06	8.100E-08	2.500E-08	5.600E-08
00130340	8.710E-02	8.800E-02	-9.000E-04	4.000E-07	1.500E-07	2.500E-07	9.100E-08	4.200E-08	4.900E-08
00130341	9.440E-02	9.400E-02	-1.600E-03	4.000E-07	1.500E-07	2.600E-07	5.500E-08	1.000E-09	5.400E-08
00130342	8.070E-02	9.200E-02	-1.300E-03	5.000E-07	1.400E-07	3.400E-07	7.400E-08	2.100E-08	5.300E-08
00130343	4.790E-02	4.400E-02	-1.000E-04	4.000E-07	1.400E-07	2.500E-07	5.800E-08	1.100E-08	4.700E-08
00130344	9.660E-02	9.900E-02	-2.400E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130345	6.550E-02	4.400E-02	-5.000E-04	9.000E-07	1.900E-07	7.100E-07	5.600E-08	1.100E-09	4.900E-08
00130346	0.1033	0.1070	-3.700E-03	9.000E-06	4.000E-07	7.100E-06	5.800E-08	1.100E-09	4.700E-08
00130347	7.440E-02	7.900E-02	-6.300E-04	4.000E-07	1.400E-07	2.600E-07	5.500E-08	1.000E-09	5.400E-08
00130348	0.1007	0.1030	-2.300E-03	3.000E-07	1.100E-07	1.700E-07	5.900E-08	1.100E-09	4.900E-08
00130349	0.1000	0.1030	-2.300E-03	2.300E-06	3.400E-07	1.900E-06	5.200E-08	1.000E-09	5.100E-08
00130350	5.960E-02	6.000E-02	-4.000E-04	1.100E-06	1.500E-07	9.100E-07	2.600E-08	9.000E-09	1.700E-08
00130351	0.1055	0.1090	-3.500E-03	9.500E-06	2.400E-07	8.500E-06	7.600E-08	1.100E-09	1.400E-08
00130352	0.1022	0.1050	-2.900E-03	8.000E-07	2.000E-07	6.000E-07	4.900E-08	1.000E-09	4.800E-08
00130353	0.1003	0.1020	-1.700E-03	3.000E-07	1.400E-07	1.600E-07	7.400E-08	2.900E-08	4.500E-08
00130354	0.1018	0.1070	-3.200E-03	3.000E-07	1.400E-07	1.600E-07	4.900E-08	1.000E-09	4.800E-08
00130355	8.170E-02	9.200E-02	-3.000E-04	5.000E-07	1.500E-07	3.500E-07	2.300E-08	1.000E-09	2.200E-08
00130356	8.830E-02	9.900E-02	-7.000E-04	1.000E-07	1.500E-07	3.500E-07	5.500E-08	1.200E-08	5.300E-08
00130357	0.1050	0.1080	-3.200E-03	3.000E-07	1.400E-07	1.600E-07	5.800E-08	1.100E-09	4.700E-08
00130358	6.580E-02	6.700E-02	-1.200E-03	2.000E-06	3.100E-07	1.670E-06	9.200E-08	4.200E-08	5.000E-08
00130359	0.1071	0.1110	-3.900E-03	3.000E-07	1.500E-07	1.500E-07	5.700E-08	1.100E-09	4.600E-08
00130360	0.1018	0.1040	-2.200E-03	6.000E-07	1.700E-07	4.300E-07	2.300E-08	1.000E-09	2.200E-08
00130361	8.260E-02	9.300E-02	-6.000E-04	4.000E-07	1.400E-07	2.600E-07	7.400E-08	1.000E-09	1.000E-09
00130362	9.730E-02	0.1000	-2.700E-03	3.000E-07	1.400E-07	1.600E-07	5.800E-08	2.900E-08	4.500E-08
00130363	8.770E-02	8.900E-02	-1.300E-03	4.000E-07	1.400E-07	2.600E-07	5.100E-08	5.100E-08	0.0
00130364	7.230E-02	7.300E-02	-7.000E-04	6.000E-07	1.400E-07	4.200E-07	9.000E-09	9.000E-09	4.300E-08
00130365	8.940E-02	9.000E-02	-6.000E-04	7.600E-06	6.300E-07	4.700E-06	5.200E-08	2.000E-09	4.900E-08
00130366	0.1197	0.1230	-3.300E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130367	0.1057	0.1080	-2.300E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130368	9.510E-02	9.600E-02	-9.000E-04	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130369	7.410E-02	7.700E-02	-6.000E-04	7.300E-06	6.300E-07	4.400E-06	5.600E-08	1.100E-09	4.800E-08
00130370	6.530E-02	4.500E-02	-3.000E-04	9.000E-07	1.900E-07	7.100E-07	5.300E-08	1.100E-09	4.900E-08
00130371	0.1039	0.1060	-2.100E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130372	0.1093	0.1120	-2.700E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130373	0.1131	0.1160	-2.700E-03	4.000E-07	1.400E-07	2.600E-07	5.100E-08	1.000E-09	5.000E-08
00130374	0.1073	0.1100	-1.700E-03	2.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130375	8.960E-02	9.000E-02	-4.000E-04	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130376	8.300E-02	9.300E-02	-6.000E-04	4.000E-07	1.400E-07	2.600E-07	5.100E-08	1.000E-09	5.000E-08
00130377	0.1091	0.1120	-2.300E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130378	0.1057	0.1080	-2.300E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130379	9.510E-02	9.600E-02	-9.000E-04	7.300E-06	6.300E-07	4.400E-06	5.600E-08	1.100E-09	4.800E-08
00130380	7.410E-02	7.700E-02	-6.000E-04	7.300E-06	6.300E-07	4.400E-06	5.600E-08	1.100E-09	4.800E-08
00130381	6.530E-02	4.500E-02	-3.000E-04	9.000E-07	1.900E-07	7.100E-07	5.300E-08	1.100E-09	4.900E-08
00130382	0.1039	0.1060	-2.100E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130383	0.1093	0.1120	-2.700E-03	4.000E-07	1.400E-07	2.600E-07	5.100E-08	1.000E-09	5.000E-08
00130384	0.1131	0.1160	-2.700E-03	4.000E-07	1.400E-07	2.600E-07	5.100E-08	1.000E-09	5.000E-08
00130385	0.1073	0.1100	-1.700E-03	2.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130386	8.960E-02	9.000E-02	-4.000E-04	4.000E-07	1.400E-07	2.600E-07	5.100E-08	1.000E-09	5.000E-08
00130387	8.300E-02	9.300E-02	-6.000E-04	7.300E-06	6.300E-07	4.400E-06	5.600E-08	1.100E-09	4.800E-08
00130388	7.410E-02	7.700E-02	-6.000E-04	7.300E-06	6.300E-07	4.400E-06	5.600E-08	1.100E-09	4.800E-08
00130389	6.530E-02	4.500E-02	-3.000E-04	9.000E-07	1.900E-07	7.100E-07	5.300E-08	1.100E-09	4.900E-08
00130390	0.1039	0.1060	-2.100E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.000E-09	5.000E-08
00130391	0.1093	0.1120	-2.700E-03	4.000E-07	1.400E-07	2.600E-07	5.100E-08	1.000E-09	5.000E-08

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		ROJING PART NO.: 27-10336		17 SEP 75	
SERIAL	10 1967 V (U)	11 1975 V (U)	12 DELTA V (U)	13 1967 I (U)	14 1975 I (U)	15 DELTA I (U)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00131084	6.180E-02	6.300E-02	-1.200E-03	6.200E-06	7.900E-07	5.410E-06	5.600E-08	1.100E-09	4.500E-08
00131085	6.610E-02	6.700E-02	-9.000E-04	5.000E-07	1.700E-07	3.300E-07	5.600E-07	9.000E-09	4.700E-08
00131086	6.900E-02	6.900E-02	0.0	5.200E-06	6.400E-07	4.520E-06	1.150E-07	9.200E-08	2.300E-08
00131087	9.280E-02	9.400E-02	-1.200E-03	6.600E-06	8.300E-07	5.770E-06	5.500E-08	1.100E-08	4.400E-08
00131088	9.100E-02	8.100E-02	0.0	5.000E-07	1.500E-07	3.500E-07	4.300E-04	2.100E-08	2.250E-08
00131089	8.840E-02	8.900E-02	-6.000E-04	7.000E-06	6.600E-07	6.700E-06	5.100E-04	1.300E-09	5.000E-08
00131090	7.260E-02	7.300E-02	-4.000E-04	4.000E-07	1.400E-07	3.500E-07	6.100E-04	1.400E-08	4.700E-08
00131091	9.420E-02	9.500E-02	-8.000E-04	4.000E-07	1.300E-07	2.700E-07	2.400E-08	5.000E-09	1.900E-08
00131092	9.070E-02	9.000E-02	2.000E-04	4.000E-07	1.500E-07	2.500E-07	9.100E-03	3.200E-08	4.500E-08
00131093	6.940E-02	7.000E-02	-2.000E-04	2.800E-06	4.000E-07	2.400E-06	4.900E-04	5.000E-09	4.400E-08
00131094	9.100E-02	9.100E-02	0.0	3.000E-06	4.700E-07	2.510E-06	9.300E-04	3.900E-08	4.400E-08
00131095	5.100E-02	5.100E-02	0.0	4.700E-06	6.100E-07	4.070E-06	7.900E-04	3.200E-08	4.700E-08
00131096	7.400E-02	7.400E-02	0.0	8.700E-06	1.000E-06	7.700E-06	7.400E-04	2.900E-08	4.500E-08
00131097	8.900E-02	8.900E-02	0.0	5.000E-06	1.500E-07	3.500E-07	5.500E-03	1.100E-08	4.400E-08
00131098	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131099	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131100	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131101	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131102	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131103	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131104	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131105	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131106	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131107	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131108	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131109	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131110	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131111	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131112	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131113	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131114	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131115	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131116	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131117	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131118	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131119	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131120	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131121	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131122	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131123	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131124	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131125	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131126	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131127	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131128	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131129	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131130	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131131	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131132	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08
00131133	9.100E-02	9.100E-02	0.0	5.000E-06	1.500E-07	3.500E-07	2.300E-04	1.300E-08	2.200E-08

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

17 SEP 75

27-10334

SC2213

FILE NAME: SC2213AC

TITLE: DEVICES: REGISTER

SERIAL	10 V (CL) (6-1)	11 V (CL) (6-1)	12 DELTA V (CL) (6-1)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (PT)	17 1975 I (PT)	18 DELTA I (PT)
00131314	8.040E-02	8.200E-02	-1.400E-03	5.000E-07	1.400E-07	3.500E-07	1.210E-07	6.000E-09	6.100E-08
00131315	7.340E-02	7.500E-02	-1.600E-03	5.000E-07	1.500E-07	3.500E-07	3.700E-07	1.100E-08	2.100E-08
00131316	0.1051	0.1282	-2.900E-03	1.100E-06	2.100E-07	8.900E-07	4.900E-03	1.000E-09	4.800E-08
00131317	0.520E-02	9.700E-02	-1.900E-03	4.000E-07	1.500E-07	2.500E-07	6.800E-09	4.100E-08	2.700E-08
00131318	8.160E-02	8.900E-02	-1.400E-03	6.600E-06	8.100E-07	5.700E-06	1.400E-07	1.450E-07	5.000E-08
00131319	0.1004	0.1030	-2.600E-03	4.600E-06	6.700E-07	3.980E-06	5.200E-08	1.000E-09	5.100E-08
00131320	7.470E-02	7.600E-02	-1.300E-03	4.000E-07	1.600E-07	2.400E-07	5.400E-08	9.000E-09	4.500E-08
00131321	8.810E-02	8.900E-02	-9.900E-05	4.000E-07	1.400E-07	2.600E-07	6.500E-08	1.200E-08	5.300E-08
00131322	7.970E-02	8.000E-02	-3.000E-04	6.000E-07	1.800E-07	4.200E-07	5.200E-08	1.000E-09	5.100E-08
00131323	6.450E-02	6.500E-02	-1.500E-03	4.000E-07	1.400E-07	2.600E-07	8.500E-08	3.100E-08	4.200E-08
00131324	6.740E-02	6.850E-02	-6.000E-04	5.000E-07	1.600E-07	3.400E-07	7.100E-08	1.100E-08	4.200E-08
00131325	0.1040	0.1080	-4.000E-03	4.000E-07	1.400E-07	2.600E-07	2.140E-07	1.100E-07	3.300E-08
00131326	0.1078	0.1120	-4.200E-03	6.700E-06	1.400E-07	5.900E-06	4.800E-08	1.000E-09	4.700E-08
00131327	6.410E-02	6.400E-02	1.070E-04	8.000E-07	1.400E-07	6.100E-07	4.600E-08	1.000E-09	4.500E-08
00131328	5.950E-02	6.020E-02	-5.000E-04	6.000E-07	1.400E-07	4.400E-07	2.600E-08	1.100E-08	1.500E-08
00131329	0.440E-02	9.500E-02	-6.000E-04	3.000E-07	1.400E-07	1.600E-07	4.900E-09	1.000E-09	4.700E-08
00131330	0.1009	0.1030	-2.200E-03	3.000E-07	1.400E-07	1.600E-07	5.700E-08	1.000E-09	4.700E-08
00131331	0.1045	0.1102	-3.500E-03	7.000E-07	1.500E-07	1.700E-07	5.000E-08	1.000E-09	4.700E-08
00131332	4.030E-02	8.100E-02	-7.000E-04	7.000E-07	1.700E-07	5.800E-07	5.700E-08	1.100E-08	4.400E-08
00131333	9.850E-02	0.1329	-3.500E-03	4.000E-07	1.400E-07	2.500E-07	2.500E-08	1.000E-09	4.700E-08
00131334	7.400E-02	7.400E-02	0.0	4.000E-07	1.400E-07	2.500E-07	6.700E-08	1.200E-08	5.400E-08
00131335	9.850E-02	9.700E-02	-2.000E-03	3.000E-07	1.400E-07	2.500E-07	4.700E-08	1.000E-09	4.700E-08
00131336	8.560E-02	8.700E-02	-1.400E-03	2.500E-06	3.400E-07	2.100E-06	4.700E-08	9.000E-09	4.700E-08
00131337	8.640E-02	8.700E-02	-6.000E-04	4.700E-06	6.000E-07	4.100E-06	5.600E-08	1.100E-08	4.700E-08
00131338	0.1098	0.1120	-2.200E-03	3.000E-07	1.400E-07	1.500E-07	9.200E-08	2.000E-08	4.000E-08
00131339	7.140E-02	7.300E-02	-1.600E-03	4.000E-07	1.400E-07	2.600E-07	7.500E-08	3.100E-08	4.700E-08
00131340	9.470E-02	9.100E-02	-2.300E-03	6.200E-06	7.300E-07	5.400E-06	4.700E-08	1.000E-09	4.700E-08
00131341	7.140E-02	7.300E-02	-1.600E-03	1.300E-06	2.500E-07	1.030E-06	9.800E-08	4.200E-08	5.600E-08
00131342	9.490E-02	9.400E-02	-1.100E-03	3.100E-06	4.500E-07	2.600E-06	4.900E-08	1.000E-09	4.700E-08
00131343	8.740E-02	8.400E-02	-6.000E-04	4.000E-07	1.400E-07	1.600E-07	5.000E-08	1.000E-09	4.700E-08
00131344	9.580E-02	9.700E-02	-2.200E-03	4.000E-07	1.400E-07	2.500E-07	5.800E-08	1.000E-09	4.700E-08
00131345	8.210E-02	8.300E-02	-9.000E-04	4.000E-07	1.400E-07	2.600E-07	4.800E-08	1.000E-09	4.700E-08
00131346	0.1074	0.1110	-3.200E-03	2.600E-06	3.900E-07	2.210E-06	1.170E-07	6.200E-08	5.000E-08
00131347	8.760E-02	8.900E-02	-1.400E-03	3.000E-07	1.400E-07	1.500E-07	4.800E-08	1.000E-09	4.700E-08
00131348	7.550E-02	7.700E-02	-1.500E-03	4.000E-07	1.400E-07	2.500E-07	7.800E-08	3.100E-08	4.700E-08
00131349	9.880E-02	0.1310	-2.200E-03	7.000E-07	1.400E-07	5.100E-07	5.100E-08	9.000E-09	4.200E-08
00131350	0.1114	0.1170	-3.600E-03	3.000E-07	1.400E-07	1.500E-07	5.300E-08	1.000E-09	4.700E-08
00131351	9.530E-02	9.700E-02	-1.700E-03	3.000E-07	1.400E-07	1.500E-07	5.300E-08	1.000E-09	4.700E-08
00131352	0.1045	0.1070	-2.600E-03	5.100E-06	6.300E-07	4.900E-06	6.500E-08	1.200E-08	5.400E-08
00131353	7.670E-02	8.200E-02	-3.000E-04	4.000E-07	1.400E-07	2.500E-07	4.700E-08	1.000E-09	4.700E-08
00131354	5.270E-02	9.300E-02	-3.000E-04	3.000E-07	1.400E-07	1.700E-07	4.000E-08	9.000E-09	4.700E-08
00131355	9.240E-02	9.100E-02	-4.000E-04	4.000E-07	1.400E-07	2.500E-07	4.500E-08	1.000E-09	4.700E-08
00131356	9.640E-02	9.700E-02	-6.000E-04	3.000E-07	1.400E-07	1.600E-07	5.300E-08	1.000E-09	4.700E-08
00131357	0.1318	0.1360	-4.100E-03	1.700E-06	7.400E-07	9.600E-07	4.700E-08	2.100E-08	4.700E-08
00131358	0.1054	0.1098	-4.000E-03	3.000E-07	1.400E-07	1.500E-07	5.100E-08	1.000E-09	4.700E-08
00131359	9.340E-02	9.400E-02	-2.000E-04	3.000E-07	1.400E-07	1.600E-07	5.300E-08	1.000E-09	4.700E-08
00131360	0.1170	0.1220	-3.500E-03	3.000E-07	1.400E-07	1.500E-07	5.300E-08	1.000E-09	4.700E-08
00131361	0.1235	0.1270	-3.500E-03	3.000E-07	1.400E-07	1.500E-07	5.300E-08	1.000E-09	4.700E-08
00131362	0.1135	0.1170	-3.500E-03	3.000E-07	1.400E-07	1.500E-07	5.300E-08	1.000E-09	4.700E-08
00131363	0.1077	0.1140	-2.600E-03	4.000E-07	1.400E-07	2.500E-07	4.600E-08	1.000E-09	4.700E-08

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC TITLE: DEVICE: REGISTER WTOROLA PART NO.: SC2213 MOVING PART NO.: 27-10336 17 SEP 75

SERIAL	10 1967 V (OL) (6-1)	11 1975 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (PT)	17 1975 I (PT)	18 DELTA I (PT)
00131633	8.820E-02	9.900E-02	-8.000E-04	4.000E-07	1.400E-07	2.400E-07	4.700E-08	1.000E-09	4.600E-08
00131634	9.400E-02	9.400E-02	-1.100E-03	4.000E-06	5.100E-07	3.400E-06	5.400E-08	1.100E-08	4.300E-08
00131635	9.220E-02	9.300E-02	-8.000E-04	6.900E-07	1.700E-07	4.800E-07	5.500E-08	1.100E-08	4.400E-08
00131636	7.100E-02	7.200E-02	-2.000E-04	2.700E-06	4.000E-07	2.300E-06	5.500E-08	1.200E-08	4.300E-08
00131637	0.1017	0.1040	-2.300E-03	3.020E-07	1.400E-07	1.600E-07	5.500E-08	1.100E-08	4.400E-08
00131638	9.100E-02	9.200E-02	-1.000E-03	6.300E-06	7.400E-07	5.500E-06	7.900E-08	2.100E-08	5.800E-08
00131639	7.500E-02	7.600E-02	-1.000E-03	3.020E-07	1.400E-07	1.600E-07	5.900E-08	1.100E-08	4.400E-08
00131731	9.540E-02	9.600E-02	-6.000E-04	3.000E-07	1.400E-07	1.600E-07	5.900E-08	1.100E-08	4.400E-08
00131732	6.700E-02	6.700E-02	0.0	4.700E-06	5.900E-07	4.100E-06	4.400E-08	1.000E-09	4.300E-08
00131733	0.1059	0.1110	-5.100E-03	3.000E-07	1.400E-07	1.600E-07	6.000E-08	1.700E-08	5.400E-08
00131734	8.660E-02	8.800E-02	-1.400E-03	3.000E-07	1.400E-07	1.600E-07	5.900E-08	1.200E-08	4.700E-08
00131735	7.980E-02	8.000E-02	-2.000E-04	3.000E-07	1.400E-07	1.600E-07	4.700E-08	9.000E-09	3.300E-08
00131736	8.560E-02	9.100E-02	-1.400E-03	3.000E-07	1.400E-07	1.600E-07	7.700E-08	4.700E-08	3.500E-08
00131737	8.260E-02	8.400E-02	-1.400E-03	2.500E-06	3.600E-07	2.100E-06	9.400E-08	4.000E-08	5.400E-08
00131738	8.580E-02	8.700E-02	-1.200E-03	3.000E-07	1.500E-07	1.500E-07	5.300E-08	1.100E-08	4.400E-08
00131739	0.1067	0.1100	-3.300E-03	3.000E-07	1.400E-07	1.600E-07	5.300E-08	1.100E-08	4.200E-08
00131740	8.930E-02	9.200E-02	-7.000E-04	3.000E-07	1.400E-07	1.600E-07	4.600E-08	1.000E-09	4.500E-08
00131741	7.360E-02	7.400E-02	-3.900E-04	6.000E-07	1.400E-07	4.400E-07	4.600E-08	1.000E-09	4.500E-08
00131742	9.290E-02	9.400E-02	-1.100E-03	1.100E-06	2.300E-07	8.700E-07	6.200E-08	1.100E-08	5.100E-08
00131743	0.1057	0.1090	-3.300E-03	3.000E-07	1.400E-07	1.600E-07	8.600E-08	6.100E-08	2.500E-08
00131744	7.900E-02	7.900E-02	0.0	4.000E-07	1.500E-07	2.500E-07	4.500E-08	1.000E-09	4.900E-08
00131745	9.110E-02	9.300E-02	-1.900E-03	3.900E-06	5.100E-07	3.200E-06	5.000E-08	1.000E-09	4.900E-08
00131746	9.790E-02	0.1310	-3.300E-03	3.500E-06	4.700E-07	3.000E-06	4.700E-08	1.000E-09	4.700E-08
00131747	0.1355	0.1390	-3.500E-03	3.000E-07	1.400E-07	1.600E-07	4.800E-08	1.000E-09	4.700E-08
00131748	9.570E-02	9.700E-02	-1.300E-03	6.000E-07	1.700E-07	4.300E-07	1.010E-07	5.100E-08	5.000E-08
00131939	0.1175	0.1210	-3.300E-03	3.000E-07	1.400E-07	1.600E-07	5.000E-08	1.000E-09	4.900E-08
00131940	8.420E-02	8.400E-02	2.000E-04	3.000E-07	1.400E-07	1.600E-07	4.900E-08	1.000E-09	4.900E-08
00131941	0.1099	0.1060	-3.100E-03	3.000E-07	1.300E-07	1.700E-07	4.900E-08	1.000E-09	4.800E-08
00131942	7.770E-02	7.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.400E-07	4.900E-08	1.000E-09	4.800E-08
00131943	9.600E-02	9.900E-02	-3.000E-03	1.520E-05	1.670E-06	1.355E-05	6.200E-08	1.100E-08	5.100E-08
00131944	8.320E-02	8.500E-02	-1.800E-03	5.800E-06	6.700E-07	5.100E-06	5.100E-08	1.000E-09	5.000E-08
00131945	9.180E-02	9.300E-02	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.700E-08	1.100E-08	4.800E-08
00131946	8.530E-02	8.600E-02	-7.000E-04	4.300E-06	5.500E-07	3.700E-06	4.500E-08	1.000E-09	4.400E-08
00131947	9.440E-02	9.400E-02	-1.400E-03	3.400E-06	4.700E-07	2.900E-06	5.000E-08	9.000E-09	4.100E-08
00131948	9.250E-02	9.400E-02	-1.600E-03	4.000E-07	1.500E-07	2.500E-07	4.500E-08	1.000E-09	4.400E-08
00131849	0.1023	0.1050	-2.700E-03	4.000E-07	1.400E-07	2.400E-07	5.100E-08	1.000E-09	4.900E-08
00131850	0.1154	0.1190	-3.400E-03	3.000E-07	1.400E-07	1.600E-07	5.200E-08	1.000E-09	5.100E-08
00131951	2.580E-02	2.700E-02	-1.200E-03	7.000E-06	1.100E-07	6.100E-06	4.100E-08	9.000E-09	4.100E-08
00131952	9.010E-02	9.100E-02	-9.000E-04	3.000E-07	1.400E-07	1.600E-07	5.100E-08	1.100E-08	4.900E-08
00131953	8.710E-02	8.800E-02	-9.000E-04	3.000E-07	1.400E-07	1.600E-07	4.100E-08	1.100E-08	4.900E-08
00131954	0.1154	0.1190	-3.400E-03	1.700E-06	2.900E-07	1.400E-06	5.300E-08	9.000E-09	4.400E-08
00131955	9.490E-02	9.500E-02	-1.000E-04	3.000E-07	1.400E-07	1.600E-07	4.700E-08	1.000E-09	4.600E-08
00131956	9.250E-02	9.200E-02	5.000E-04	3.000E-07	1.300E-07	1.700E-07	4.700E-08	1.000E-09	4.600E-08
00131957	9.740E-02	9.700E-02	4.000E-04	3.000E-07	1.400E-07	1.600E-07	1.300E-08	7.100E-08	1.300E-08
00131958	8.490E-02	8.600E-02	-9.000E-04	6.000E-07	1.600E-07	1.400E-06	2.100E-08	2.100E-08	6.500E-08
00131959	8.530E-02	8.500E-02	3.000E-04	6.000E-07	1.700E-07	4.300E-07	1.800E-08	2.100E-08	5.000E-08
00131960	9.220E-02	9.100E-02	1.200E-03	3.000E-07	1.400E-07	1.600E-07	1.800E-08	2.100E-08	4.900E-08
00131961	7.050E-02	7.300E-02	-5.300E-04	2.500E-06	1.700E-07	2.100E-06	7.300E-08	1.000E-09	4.900E-08
00131962	8.740E-02	8.700E-02	6.300E-04	3.000E-07	1.400E-07	1.600E-07	1.900E-08	1.400E-08	5.000E-08
00131963	9.180E-02	9.200E-02	-2.200E-04	1.400E-06	2.700E-07	1.300E-06	1.300E-08	1.700E-08	4.900E-08

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		BOEING PART NO.: 27-10336		17 SEP 75	
SERIAL	10 1967 V (U)	11 1975 V (U)	12 DELTA V (U)	13 1967 I (U)	14 1975 I (U)	15 DELTA I (U)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
	(6-1)	(6-1)	(5-1)						
00132288	7.360E-02	7.400E-02	-3.990E-04	6.000E-07	1.500E-07	4.500E-07	5.000E-09	1.000E-09	4.000E-09
00132289	7.660E-02	7.700E-02	-4.000E-04	5.000E-07	1.500E-07	3.500E-07	7.000E-09	1.000E-09	6.000E-09
00132290	0.1027	0.1030	-3.000E-04	3.000E-07	1.400E-07	1.600E-07	5.000E-09	1.000E-09	4.000E-09
00132291	7.090E-02	7.000E-02	9.000E-04	5.000E-07	1.400E-07	3.500E-07	4.000E-09	1.000E-09	3.000E-09
00132292	7.550E-02	7.500E-02	5.200E-04	5.000E-07	1.400E-07	3.600E-07	4.000E-09	1.000E-09	3.000E-09
00132293	5.630E-02	5.600E-02	3.000E-04	1.300E-06	2.100E-07	1.000E-06	5.000E-09	1.000E-09	4.000E-09
00132294	6.060E-02	6.000E-02	6.000E-04	9.000E-07	1.700E-07	6.300E-07	4.000E-09	1.000E-09	3.000E-09
00132295	7.010E-02	7.000E-02	9.990E-05	6.000E-07	1.500E-07	4.500E-07	4.000E-09	1.000E-09	3.000E-09
00132296	8.510E-02	8.500E-02	-9.000E-04	4.000E-07	1.400E-07	2.600E-07	5.000E-09	1.000E-09	7.000E-09
00132297	7.330E-02	7.400E-02	-7.000E-04	5.000E-07	1.700E-07	3.300E-07	5.000E-09	1.000E-09	4.000E-09
00132298	7.210E-02	7.200E-02	1.000E-04	8.000E-07	1.600E-07	6.100E-07	2.100E-08	2.100E-08	0.0
00132299	8.840E-02	8.900E-02	-4.000E-04	4.000E-07	1.400E-07	2.500E-07	1.700E-08	1.700E-08	1.400E-08
00132300	9.190E-02	9.400E-02	-1.200E-04	3.000E-07	1.400E-07	1.600E-07	3.600E-09	1.000E-09	4.000E-09
00132301	4.970E-02	5.000E-02	-3.000E-04	1.700E-06	2.700E-07	1.400E-06	4.000E-09	1.000E-09	3.000E-09
00132302	0.1075	0.1060	-1.500E-03	7.000E-06	2.100E-07	6.100E-06	5.000E-08	4.000E-08	5.000E-08
00132303	9.650E-02	9.600E-02	5.000E-04	3.000E-07	1.400E-07	1.600E-07	1.100E-08	9.000E-09	2.000E-09
00132304	5.640E-02	5.600E-02	6.000E-04	1.700E-06	2.100E-07	9.000E-07	1.000E-09	1.000E-09	3.000E-09
00132305	6.030E-02	6.000E-02	3.000E-04	8.000E-07	1.800E-07	6.200E-07	5.000E-09	1.000E-09	4.000E-09
00132306	7.590E-02	7.700E-02	-1.100E-03	4.000E-07	1.500E-07	2.500E-07	7.000E-09	1.000E-09	6.000E-09
00132307	0.1035	0.1060	-2.400E-03	4.000E-07	1.500E-07	2.500E-07	4.700E-08	3.200E-08	1.500E-08
00132308	7.930E-02	7.900E-02	3.000E-04	4.000E-07	1.400E-07	2.600E-07	1.400E-09	1.000E-09	3.000E-09
00132309	6.330E-02	6.000E-02	-7.000E-04	6.000E-07	1.400E-07	4.400E-07	8.000E-09	1.000E-09	7.000E-09
00132310	8.930E-02	8.900E-02	3.000E-04	4.000E-07	1.400E-07	2.600E-07	4.000E-09	1.000E-09	3.000E-09
00132311	7.490E-02	7.500E-02	-1.000E-04	9.000E-06	1.400E-07	4.900E-06	4.000E-09	1.000E-09	3.000E-09
00132312	0.1081	0.1110	-1.900E-03	9.000E-06	1.400E-06	7.900E-06	1.100E-09	9.000E-09	2.000E-09
00132313	9.920E-02	0.1000	-8.000E-04	3.600E-06	5.100E-07	3.300E-06	7.100E-08	7.100E-08	8.000E-08
00132314	0.1004	0.1020	-1.200E-03	3.000E-07	1.500E-07	1.600E-07	4.000E-09	1.000E-09	3.000E-09
00132315	0.1049	0.1070	-2.100E-03	4.000E-07	1.400E-07	2.600E-07	4.900E-09	3.000E-09	1.000E-09
00132316	0.1021	0.1030	-9.000E-04	3.000E-07	1.400E-07	4.400E-07	1.000E-09	1.000E-09	3.000E-09
00132317	6.710E-02	6.700E-02	1.000E-04	6.000E-07	1.600E-07	4.400E-07	4.000E-09	1.000E-09	3.000E-09
00132318	8.200E-02	8.200E-02	0.0	1.500E-06	2.900E-07	1.310E-06	4.000E-09	1.000E-09	3.000E-09
00132319	7.810E-02	7.800E-02	1.000E-04	4.000E-07	1.400E-07	2.600E-07	5.000E-09	1.000E-09	4.000E-09
00132320	5.820E-02	5.800E-02	2.000E-04	9.000E-07	1.400E-07	7.200E-07	5.000E-09	1.000E-09	4.000E-09
00132321	0.1145	0.1160	-1.500E-03	5.900E-06	7.100E-07	5.100E-06	1.500E-08	1.100E-08	4.000E-08
00132322	6.020E-02	6.000E-02	2.000E-04	9.000E-07	2.400E-07	9.600E-07	5.000E-09	1.000E-09	4.000E-09
00132323	0.1141	0.1190	-5.000E-03	1.400E-06	2.700E-07	1.130E-06	4.700E-08	4.700E-08	1.200E-08
00132324	0.1070	0.1090	-2.000E-03	1.400E-06	2.700E-07	1.130E-06	4.700E-08	4.700E-08	1.200E-08
00132325	8.970E-02	9.000E-02	3.000E-04	3.500E-06	4.600E-07	3.000E-06	4.000E-09	1.000E-09	7.000E-09
00132326	9.400E-02	9.400E-02	0.0	3.000E-07	1.400E-07	1.600E-07	5.000E-09	1.000E-09	4.000E-09
00132327	0.1094	0.1110	-1.600E-03	3.000E-07	1.400E-07	1.600E-07	4.000E-09	1.000E-09	3.000E-09
00132328	6.630E-02	6.600E-02	3.000E-04	5.600E-06	5.400E-07	1.300E-06	1.200E-08	9.000E-09	3.000E-09
00132329	0.1026	0.1050	-2.200E-03	4.000E-07	1.400E-07	2.600E-07	4.000E-09	1.000E-09	3.000E-09
00132330	6.090E-02	6.000E-02	9.000E-04	1.000E-06	2.900E-07	7.600E-07	6.000E-09	1.000E-09	4.000E-09
00132331	5.590E-02	5.500E-02	9.000E-04	1.000E-06	2.900E-07	7.600E-07	6.000E-09	1.000E-09	4.000E-09
00132332	8.660E-02	8.700E-02	-4.000E-04	1.000E-06	2.900E-07	7.600E-07	6.000E-09	1.000E-09	4.000E-09
00132333	0.1081	0.1170	-1.900E-03	1.000E-06	2.900E-07	7.600E-07	6.000E-09	1.000E-09	4.000E-09
00132334	9.510E-02	9.500E-02	1.000E-04	3.000E-07	1.400E-07	1.600E-07	1.000E-09	1.000E-09	3.000E-09
00132335	9.450E-02	9.500E-02	-5.000E-04	3.000E-07	1.400E-07	1.600E-07	1.000E-09	1.000E-09	3.000E-09
00132336	6.170E-02	6.100E-02	7.000E-04	7.000E-07	1.400E-07	5.200E-07	1.000E-09	1.000E-09	4.000E-09
00132337	6.000E-02	6.000E-02	1.500E-03	5.000E-07	1.400E-07	2.500E-07	1.000E-09	1.000E-09	7.000E-09

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

CYLE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		AGING PART NO.: 27-10336		17 SEP 75	
SERIAL	10 1967 V (UL) (6-1)	11 1975 V (UL) (6-1)	12 DELTA V (UL) (6-1)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (KT)	17 1975 I (RT)	18 DELTA I (RT)
00132849	9.270E-02	9.400E-02	-1.130E-03	3.000E-07	1.400E-07	1.400E-07	5.100E-08	1.100E-08	5.000E-08
00132849	7.750E-02	7.900E-02	-1.150E-03	1.500E-06	2.700E-07	1.230E-06	5.600E-08	1.100E-08	4.500E-08
00132850	7.810E-02	7.800E-02	1.000E-04	4.000E-07	1.400E-07	2.400E-07	4.800E-08	1.000E-08	4.700E-08
00132942	6.700E-02	6.700E-02	0.0	2.400E-06	3.600E-07	2.940E-06	4.600E-08	1.200E-08	4.500E-08
00132943	0.1100	0.1130	-3.800E-03	3.000E-07	1.400E-07	1.600E-07	4.800E-08	1.000E-08	4.700E-08
00132944	6.780E-02	6.900E-02	-2.200E-04	9.000E-07	1.400E-07	7.100E-07	4.400E-08	1.000E-08	4.300E-08
00132945	6.270E-02	6.400E-02	-1.130E-03	4.500E-06	5.400E-07	3.760E-06	5.000E-08	9.200E-09	4.100E-08
00132946	7.310E-02	7.400E-02	-9.300E-04	1.000E-06	2.000E-07	8.000E-07	4.500E-08	1.000E-08	4.400E-08
00132947	6.220E-02	6.300E-02	-8.000E-04	6.200E-06	7.300E-07	5.470E-06	5.100E-08	1.000E-08	5.000E-08
00132948	5.780E-02	5.700E-02	5.000E-04	8.400E-06	9.800E-07	7.820E-06	4.700E-08	1.000E-08	4.600E-08
00132949	9.400E-02	9.500E-02	-1.000E-03	1.300E-06	2.400E-07	1.060E-06	9.000E-08	1.000E-08	4.100E-08
00132951	9.080E-02	9.200E-02	-1.100E-03	3.000E-07	1.300E-07	1.700E-07	4.600E-08	1.000E-08	4.500E-08
00132952	8.020E-02	8.200E-02	-1.900E-03	4.000E-06	3.400E-07	3.560E-06	4.600E-08	1.000E-08	4.500E-08
00132953	7.340E-02	7.500E-02	-1.400E-03	2.400E-06	3.600E-07	2.040E-06	4.700E-08	1.000E-08	4.500E-08
00132954	6.400E-02	6.400E-02	0.0	5.000E-07	1.400E-07	3.600E-07	4.500E-08	1.000E-08	4.400E-08
00132955	8.500E-02	8.700E-02	-2.000E-03	9.000E-07	1.900E-07	7.100E-07	5.800E-08	1.100E-08	4.700E-08
00132956	7.400E-02	7.600E-02	-1.100E-03	5.100E-06	6.400E-07	4.580E-06	4.600E-08	1.000E-08	4.500E-08
00132957	9.120E-02	9.200E-02	-8.000E-04	3.000E-07	1.400E-07	1.400E-07	4.800E-08	1.000E-08	4.700E-08
00132958	6.420E-02	6.500E-02	-8.000E-04	7.000E-07	1.700E-07	5.100E-07	1.270E-07	5.200E-08	7.500E-08
00132959	0.1000	0.1030	-2.200E-03	3.000E-07	1.400E-07	1.600E-07	5.200E-08	1.100E-08	5.100E-08
00133057	9.840E-02	9.400E-02	-2.400E-03	3.000E-07	1.400E-07	1.600E-07	1.070E-07	5.100E-08	5.400E-08
00133058	9.340E-02	9.400E-02	-6.000E-04	3.000E-07	1.400E-07	1.600E-07	7.800E-08	2.900E-08	4.900E-08
00133059	5.600E-02	5.600E-02	-1.000E-04	2.600E-06	3.800E-07	2.230E-06	1.040E-07	5.100E-08	5.300E-08
00133059	8.240E-02	8.400E-02	-1.600E-03	5.000E-07	1.600E-07	3.400E-07	5.800E-08	1.100E-08	4.700E-08
00133059	5.940E-02	6.000E-02	-2.000E-04	4.000E-06	4.100E-07	4.200E-06	4.600E-08	1.000E-08	4.500E-08
00133057	7.480E-02	7.600E-02	-1.200E-03	1.100E-06	2.200E-07	9.800E-07	7.100E-08	3.100E-08	4.000E-08
00133058	5.200E-02	5.200E-02	5.000E-04	9.000E-07	1.900E-07	7.100E-07	4.900E-08	1.000E-08	4.800E-08
00133059	9.020E-02	9.300E-02	-2.800E-03	4.000E-07	1.400E-07	2.600E-07	5.000E-08	5.000E-08	4.500E-08
00133060	7.880E-02	9.000E-02	-2.200E-04	4.600E-06	5.700E-07	4.030E-06	4.500E-08	1.000E-08	4.400E-08
00133061	6.570E-02	6.600E-02	-3.000E-04	3.400E-06	4.700E-07	2.930E-06	5.700E-08	1.100E-08	4.600E-08
00133062	9.440E-02	9.700E-02	-2.600E-04	8.500E-06	8.700E-07	7.610E-06	5.200E-08	1.200E-08	4.500E-08
00133064	0.1000	0.1130	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	5.000E-08	9.000E-09	4.500E-08
00133065	7.170E-02	7.200E-02	-3.000E-04	7.000E-07	1.400E-07	1.600E-07	5.400E-08	9.000E-09	4.500E-08
00133067	7.200E-02	7.400E-02	-2.000E-04	2.000E-07	1.700E-07	5.300E-07	5.200E-08	9.000E-09	4.300E-08
00133069	7.660E-02	9.000E-02	-1.000E-03	2.800E-06	4.300E-07	2.400E-06	4.330E-08	1.000E-08	4.200E-08
00133069	0.1020	0.1020	-2.100E-03	1.800E-06	3.100E-07	1.400E-06	4.700E-08	1.000E-08	4.600E-08
00133161	9.310E-02	9.500E-02	-1.700E-03	4.300E-07	1.500E-07	2.500E-07	5.000E-08	1.000E-08	4.200E-08
00133162	0.1120	0.1160	-4.000E-03	3.000E-07	1.400E-07	1.600E-07	5.000E-08	1.100E-08	4.600E-08
00133163	8.840E-02	9.700E-02	-1.300E-03	4.000E-07	1.500E-07	2.500E-07	1.220E-07	6.500E-08	5.700E-08
00133164	8.440E-02	9.020E-02	-1.400E-03	4.000E-07	1.500E-07	2.500E-07	9.120E-08	1.400E-08	7.700E-08
00133165	7.480E-02	7.600E-02	-1.200E-03	6.000E-07	1.400E-07	6.400E-07	4.800E-08	1.200E-08	5.300E-08
00133165	8.430E-02	9.000E-02	-1.700E-03	7.000E-07	1.700E-07	5.300E-07	5.200E-08	1.400E-08	1.600E-08
00133167	4.920E-02	5.000E-02	-1.500E-04	1.000E-06	1.000E-07	1.100E-07	5.100E-08	9.000E-09	4.200E-08
00133169	9.700E-02	9.700E-02	-1.100E-03	3.000E-07	1.400E-07	1.600E-07	4.700E-08	1.000E-08	4.600E-08
00133170	0.1040	0.1040	-3.300E-03	4.000E-07	1.400E-07	2.600E-07	5.300E-08	1.000E-08	4.600E-08
00133171	9.500E-02	9.700E-02	-2.000E-03	4.000E-07	1.400E-07	2.600E-07	5.600E-08	1.000E-08	4.700E-08
00133172	9.740E-02	9.900E-02	-1.500E-03	4.000E-07	1.400E-07	2.600E-07	5.900E-08	1.000E-08	4.700E-08

D256-10082-2

TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC										TITLE: DEVICE: REGISTER										MOTORIN PART NO.: SC2213										AGEING PART NO.: 27-10336										17 SEP 75									
SERIAL		10 1967 V (OL) (6-1)		11 1975 V (OL) (6-1)		12 DELTA V (OL) (6-1)		13 1967 I (L)		14 1975 I (L)		15 DELTA I (L)		16 1967 I (RT)		17 1975 I (RT)		18 DELTA I (RT)		19 1967 I (L)		20 1975 I (L)		21 DELTA I (L)		22 1967 I (RT)		23 1975 I (RT)		24 DELTA I (RT)																			
00133173	9.650E-02	9.900E-02	-2.500E-03	3.000E-07	1.400E-07	1.400E-07	7.200E-09	2.100E-09	5.100E-08	7.200E-09	2.100E-09	5.100E-08	7.200E-09	2.100E-09	5.100E-08	7.200E-09	2.100E-09	5.100E-08	7.200E-09	2.100E-09	5.100E-08	7.200E-09	2.100E-09	5.100E-08	7.200E-09	2.100E-09	5.100E-08	7.200E-09	2.100E-09	5.100E-08																			
00133174	8.310E-02	9.900E-02	-9.300E-04	4.000E-07	1.400E-07	1.400E-07	5.100E-08	1.000E-09	5.000E-08	5.100E-08	1.000E-09	5.000E-08	5.100E-08	1.000E-09	5.000E-08	5.100E-08	1.000E-09	5.000E-08	5.100E-08	1.000E-09	5.000E-08	5.100E-08	1.000E-09	5.000E-08	5.100E-08	1.000E-09	5.000E-08	5.100E-08	1.000E-09	5.000E-08																			
00133175	8.270E-02	9.300E-02	-3.000E-04	1.500E-06	2.800E-07	1.270E-06	6.400E-08	1.900E-09	3.500E-08	2.800E-07	1.270E-06	6.400E-08	1.900E-09	3.500E-08	2.800E-07	1.270E-06	6.400E-08	1.900E-09	3.500E-08	2.800E-07	1.270E-06	6.400E-08	1.900E-09	3.500E-08	2.800E-07	1.270E-06	6.400E-08	1.900E-09	3.500E-08																				
00133176	9.700E-02	9.900E-02	-1.000E-03	3.000E-07	1.400E-07	1.600E-07	4.600E-08	1.000E-09	4.500E-08	1.400E-07	1.600E-07	4.600E-08	1.000E-09	4.500E-08	1.400E-07	1.600E-07	4.600E-08	1.000E-09	4.500E-08	1.400E-07	1.600E-07	4.600E-08	1.000E-09	4.500E-08	1.400E-07	1.600E-07	4.600E-08	1.000E-09	4.500E-08																				
00133177	9.810E-02	9.900E-02	-1.100E-03	7.800E-06	8.700E-07	6.930E-06	7.900E-08	3.400E-09	4.000E-08	8.700E-07	6.930E-06	7.900E-08	3.400E-09	4.000E-08	8.700E-07	6.930E-06	7.900E-08	3.400E-09	4.000E-08	8.700E-07	6.930E-06	7.900E-08	3.400E-09	4.000E-08	8.700E-07	6.930E-06	7.900E-08	3.400E-09	4.000E-08																				
00133268	5.280E-02	5.300E-02	-1.000E-04	3.200E-06	6.500E-06	2.750E-06	4.600E-08	1.000E-09	4.500E-08	6.500E-06	2.750E-06	4.600E-08	1.000E-09	4.500E-08	6.500E-06	2.750E-06	4.600E-08	1.000E-09	4.500E-08	6.500E-06	2.750E-06	4.600E-08	1.000E-09	4.500E-08	6.500E-06	2.750E-06	4.600E-08	1.000E-09	4.500E-08																				
00133269	7.850E-02	7.900E-02	-5.000E-04	8.100E-06	9.300E-07	7.170E-06	5.400E-08	1.100E-09	4.700E-08	9.300E-07	7.170E-06	5.400E-08	1.100E-09	4.700E-08	9.300E-07	7.170E-06	5.400E-08	1.100E-09	4.700E-08	9.300E-07	7.170E-06	5.400E-08	1.100E-09	4.700E-08	9.300E-07	7.170E-06	5.400E-08	1.100E-09	4.700E-08																				
00133270	0.1018	0.1340	-2.270E-03	3.000E-07	1.300E-07	1.700E-07	4.600E-08	1.000E-09	4.500E-08	1.300E-07	1.700E-07	4.600E-08	1.000E-09	4.500E-08	1.300E-07	1.700E-07	4.600E-08	1.000E-09	4.500E-08	1.300E-07	1.700E-07	4.600E-08	1.000E-09	4.500E-08	1.300E-07	1.700E-07	4.600E-08	1.000E-09	4.500E-08																				
00133271	6.370E-02	6.300E-02	2.300E-04	1.500E-05	1.640E-05	1.334E-05	4.900E-08	1.000E-09	4.800E-08	1.640E-05	1.334E-05	4.900E-08	1.000E-09	4.800E-08	1.640E-05	1.334E-05	4.900E-08	1.000E-09	4.800E-08	1.640E-05	1.334E-05	4.900E-08	1.000E-09	4.800E-08	1.640E-05	1.334E-05	4.900E-08	1.000E-09	4.800E-08																				
00133272	9.890E-02	0.1903	-3.100E-03	3.000E-07	1.400E-07	1.600E-07	9.800E-08	5.100E-09	4.700E-08	1.400E-07	1.600E-07	9.800E-08	5.100E-09	4.700E-08	1.400E-07	1.600E-07	9.800E-08	5.100E-09	4.700E-08	1.400E-07	1.600E-07	9.800E-08	5.100E-09	4.700E-08	1.400E-07	1.600E-07	9.800E-08	5.100E-09	4.700E-08																				
00133273	9.130E-02	9.300E-02	-1.700E-03	4.000E-07	1.500E-07	2.500E-07	1.010E-07	5.700E-08	4.700E-08	1.500E-07	2.500E-07	1.010E-07	5.700E-08	4.700E-08	1.500E-07	2.500E-07	1.010E-07	5.700E-08	4.700E-08	1.500E-07	2.500E-07	1.010E-07	5.700E-08	4.700E-08	1.500E-07	2.500E-07	1.010E-07	5.700E-08	4.700E-08																				
00133274	0.1061	0.1093	-1.900E-03	3.000E-07	1.500E-07	1.500E-07	4.500E-08	1.000E-09	4.600E-08	1.500E-07	1.500E-07	4.500E-08	1.000E-09	4.600E-08	1.500E-07	1.500E-07	4.500E-08	1.000E-09	4.600E-08	1.500E-07	1.500E-07	4.500E-08	1.000E-09	4.600E-08	1.500E-07	1.500E-07	4.500E-08	1.000E-09	4.600E-08																				
00133275	0.1079	0.1113	-4.000E-03	4.900E-06	5.500E-07	4.350E-06	1.420E-07	9.500E-08	5.700E-08	5.500E-07	4.350E-06	1.420E-07	9.500E-08	5.700E-08	5.500E-07	4.350E-06	1.420E-07	9.500E-08	5.700E-08	5.500E-07	4.350E-06	1.420E-07	9.500E-08	5.700E-08	5.500E-07	4.350E-06	1.420E-07	9.500E-08	5.700E-08																				
00133276	0.1052	0.1090	-2.800E-03	3.000E-07	1.400E-07	1.600E-07	7.400E-08	3.200E-09	4.200E-08	1.400E-07	1.600E-07	7.400E-08	3.200E-09	4.200E-08	1.400E-07	1.600E-07	7.400E-08	3.200E-09	4.200E-08	1.400E-07	1.600E-07	7.400E-08	3.200E-09	4.200E-08	1.400E-07	1.600E-07	7.400E-08	3.200E-09	4.200E-08																				
00133277	0.1074	0.1102	-2.700E-03	8.600E-06	9.700E-07	7.630E-06	5.000E-08	1.000E-09	4.900E-08	9.700E-07	7.630E-06	5.000E-08	1.000E-09	4.900E-08	9.700E-07	7.630E-06	5.000E-08	1.000E-09	4.900E-08	9.700E-07	7.630E-06	5.000E-08	1.000E-09	4.900E-08	9.700E-07	7.630E-06	5.000E-08	1.000E-09	4.900E-08																				
00133278	6.900E-02	7.000E-02	-1.000E-03	9.400E-06	1.070E-06	8.310E-06	5.800E-08	1.100E-09	4.700E-08	1.070E-06	8.310E-06	5.800E-08	1.100E-09	4.700E-08	1.070E-06	8.310E-06	5.800E-08	1.100E-09	4.700E-08	1.070E-06	8.310E-06	5.800E-08	1.100E-09	4.700E-08	1.070E-06	8.310E-06	5.800E-08	1.100E-09	4.700E-08																				
00133279	0.1184	0.1230	-4.500E-03	7.000E-07	1.800E-07	5.200E-07	5.700E-08	1.200E-09	4.500E-08	1.800E-07	5.200E-07	5.700E-08	1.200E-09	4.500E-08	1.800E-07	5.200E-07	5.700E-08	1.200E-09	4.500E-08	1.800E-07	5.200E-07	5.700E-08	1.200E-09	4.500E-08	1.800E-07	5.200E-07	5.700E-08	1.200E-09	4.500E-08																				
00133280	9.560E-02	9.600E-02	-6.200E-04	3.000E-07	1.400E-07	1.600E-07	5.600E-08	1.100E-09	4.700E-08	1.400E-07	1.600E-07	5.600E-08	1.100E-09	4.700E-08	1.400E-07	1.600E-07	5.600E-08	1.100E-09	4.700E-08	1.400E-07	1.600E-07	5.600E-08	1.100E-09	4.700E-08	1.400E-07	1.600E-07	5.600E-08	1.100E-09	4.700E-08																				
00133281	0.1034	0.1073	-3.200E-03	4.100E-06	5.000E-07	3.600E-06	5.500E-08	1.000E-09	4.500E-08	5.000E-07	3.600E-06	5.500E-08	1.000E-09	4.500E-08	5.000E-07	3.600E-06	5.500E-08	1.000E-09	4.500E-08	5.000E-07	3.600E-06	5.500E-08	1.000E-09	4.500E-08	5.000E-07	3.600E-06	5.500E-08	1.000E-09	4.500E-08																				
00133282	0.1145	0.1180	-4.500E-03	3.000E-07	1.400E-07	1.600E-07	9.700E-08	4.200E-09	5.500E-08	1.400E-07	1.600E-07	9.700E-08	4.200E-09	5.500E-08	1.400E-07	1.600E-07	9.700E-08	4.200E-09	5.500E-08	1.400E-07	1.600E-07	9.700E-08	4.200E-09	5.500E-08	1.400E-07	1.600E-07	9.700E-08	4.200E-09	5.500E-08																				
00133283	9.320E-02	0.1007	-1.900E-03	1.500E-06	2.900E-07	1.310E-06	4.500E-08	1.000E-09	4.400E-08	2.900E-07	1.310E-06	4.500E-08	1.000E-09	4.400E-08	2.900E-07	1.310E-06	4.500E-08	1.000E-09	4.400E-08	2.900E-07	1.310E-06	4.500E-08	1.000E-09	4.400E-08	2.900E-07	1.310E-06	4.500E-08	1.000E-09	4.400E-08																				
00133284	8.790E-02	9.900E-02	-1.100E-03	4.000E-07	1.500E-07	7.500E-07	5.800E-08	2.100E-09	4.400E-08	1.500E-07	7.500E-07	5.800E-08	2.100E-09	4.400E-08	1.500E-07	7.500E-07	5.800E-08	2.100E-09	4.400E-08	1.500E-07	7.500E-07	5.800E-08	2.100E-09	4.400E-08	1.500E-07	7.500E-07	5.800E-08	2.100E-09	4.400E-08																				
00133285	0.1055	0.1080	-2.500E-03	3.000E-07	1.300E-07	1.700E-07	5.000E-08	9.000E-09	4.100E-08	1.300E-07	1.700E-07	5.000E-08	9.000E-09	4.100E-08	1.300E-07	1.700E-07	5.000E-08	9.000E-09	4.100E-08	1.300E-07	1.700E-07	5.000E-08	9.000E-09	4.100E-08	1.300E-07	1.700E-07	5.000E-08	9.000E-09	4.100E-08																				
00133371	8.500E-02	8.600E-02	-1.000E-03	6.000E-07	1.500E-07	4.500E-07	4.300E-08	1.000E-09	4.200E-08	1.500E-07	4.500E-07	4.300E-08	1.000E-09	4.200E-08	1.500E-07	4.500E-07	4.300E-08	1.000E-09	4.200E-08	1.500E-07	4.500E-07	4.300E-08	1.000E-09	4.200E-08	1.500E-07	4.500E-07	4.300E-08	1.000E-09	4.200E-08																				
00133372	9.170E-02	9.100E-02	-7.000E-04	9.000E-07	1.700E-07	2.100E-07	6.000E-08	3.100E-09	3.700E-09	1.700E-07	2.100E-07	6.000E-08	3.100E-09	3.700E-09	1.700E-07	2.100E-07	6.000E-08	3.100E-09	3.700E-09	1.700E-07	2.100E-07	6.000E-08	3.100E-09	3.700E-09	1.700E-07	2.100E-07	6.000E-08	3.100E-09	3.700E-09																				
00133373	0.1102	0.1133	-2.800E-03	3.000E-07	1.400E-07	1.600E-07	4.500E-08	1.000E-09	4.300E-08	1.400E-07	1.600E-07	4.500E-08	1.000E-09	4.300E-08	1.400E-07	1.600E-07	4.500E-08	1.000E-09	4.300E-08	1.400E-07	1.600E-07	4.500E-08	1.000E-09	4.300E-08	1.400E-07	1.600E-07	4.500E-08	1.000E-09	4.300E-08																				
00133374	6.950E-02	7.100E-02	-1.500E-03	4.000E-07	1.400E-07	2.600E-07	4.100E-08	1.000E-09	4.000E-08	1.400E-07	2.600E-07	4.100E-08	1.000E-09	4.000E-08	1.400E-07	2.600E-07	4.100E-08	1.000E-09	4.000E-08	1.400E-07	2.600E-07	4.100E-08	1.000E-09	4.000E-08	1.400E-07	2.600E-07	4.100E-08	1.000E-09	4.000E-08																				
00133375	9.920E-02	0.1070	-2.900E-03	4.000E-07	1.400E-07	2.600E-07	6.600E-08	2.100E-09	4.500E-08	1.400E-07	2.600E-07	6.600E-08	2.100E-09	4.500E-08	1.400E-07	2.600E-07	6.600E-08	2.100E-09	4.500E-08	1.400E-07	2.600E-07	6.600E-08	2.100E-09	4.500E-08	1.400E-07	2.600E-07	6.600E-08	2.100E-09	4.500E-08																				
00133376	8.370E-02	0.1044	-3.000E-04	4.000E-07	1.400E-07	7.600E-07	6.600E-08	2.100E-09	4.500E-08	1.400																																							

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		AGEING PART NO.: 27-10336		17 SEP 75	
SERIAL	12 1967 V (UL) (6-1)	11 1975 V (UL) (6-1)	12 DELTA V (UL) (6-1)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00133490	0.1048	0.1260	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.500E-09	1.000E-09	5.400E-09
00133491	9.060E-02	0.1010	-1.400E-03	7.500E-06	8.600E-07	6.640E-06	1.000E-07	5.100E-08	4.900E-08
00133492	9.620E-02	9.700E-02	-8.000E-04	3.000E-07	1.400E-07	1.600E-07	4.200E-03	1.000E-09	4.100E-09
00133493	9.220E-02	9.400E-02	-1.800E-03	8.800E-06	9.800E-07	7.720E-06	4.200E-03	1.000E-09	4.100E-09
00133494	0.1095	0.1140	-6.400E-03	3.000E-07	1.300E-07	1.700E-07	7.000E-03	2.500E-09	4.500E-09
00133495	8.310E-02	8.400E-02	-9.000E-04	2.500E-06	3.800E-07	2.170E-06	4.300E-03	1.000E-09	4.200E-09
00133496	8.320E-02	8.400E-02	-9.000E-04	2.200E-06	3.400E-07	1.800E-06	7.000E-03	2.900E-09	5.100E-09
00133497	7.130E-02	7.200E-02	-3.000E-04	3.500E-06	4.800E-07	3.020E-06	5.100E-03	1.100E-08	4.000E-09
00133498	9.280E-02	9.300E-02	-2.500E-04	3.000E-07	1.400E-07	1.600E-07	5.400E-03	1.100E-08	4.300E-08
00133499	0.1098	0.1140	-4.200E-03	3.000E-07	1.400E-07	1.600E-07	1.430E-07	9.100E-09	5.200E-09
00133500	0.1054	0.1090	-3.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.000E-09	4.200E-09
00133501	9.830E-02	0.1220	-3.700E-03	4.000E-07	1.400E-07	2.600E-07	4.030E-03	1.000E-09	3.900E-09
00133502	9.000E-02	0.1070	-2.100E-03	4.000E-07	1.400E-07	2.600E-07	1.720E-07	6.500E-08	5.700E-08
00133503	9.670E-02	9.800E-02	-1.300E-03	4.000E-07	1.500E-07	2.500E-07	4.600E-03	1.000E-09	4.400E-09
00133504	0.1074	0.1110	-3.600E-03	3.000E-07	1.400E-07	1.600E-07	7.500E-03	1.200E-09	4.300E-09
00133505	0.1099	0.1110	-2.100E-03	3.000E-07	1.300E-07	1.700E-07	4.700E-03	1.100E-08	4.600E-08
00133506	9.360E-02	9.400E-02	-6.000E-04	4.000E-07	1.500E-07	2.500E-07	1.370E-07	1.060E-07	3.100E-08
00133507	9.650E-02	0.1220	-3.200E-03	4.000E-07	1.400E-07	2.600E-07	5.600E-03	1.100E-08	4.500E-08
00133508	8.780E-02	9.000E-02	-1.300E-03	4.000E-07	1.500E-07	2.500E-07	4.600E-03	1.200E-08	7.000E-07
00133509	9.660E-02	9.900E-02	-2.400E-03	5.100E-06	6.300E-07	4.470E-06	4.100E-03	1.600E-09	4.000E-09
00133510	0.1015	0.1050	-3.000E-03	3.000E-07	1.400E-07	1.600E-07	5.100E-03	1.100E-09	4.100E-09
00133511	0.1015	0.1050	-3.000E-03	3.000E-07	1.400E-07	1.600E-07	4.200E-03	1.000E-09	4.100E-09
00133512	8.920E-02	9.000E-02	-3.000E-04	4.000E-07	1.500E-07	2.500E-07	5.200E-03	1.100E-08	4.100E-08
00133513	0.1120	0.1170	-4.000E-03	3.000E-07	1.400E-07	1.600E-07	5.000E-03	1.100E-08	3.600E-08
00133514	7.910E-02	7.900E-02	-9.990E-05	4.000E-07	1.400E-07	2.400E-07	4.300E-03	1.000E-09	4.200E-08
00133515	8.720E-02	8.800E-02	-8.000E-04	8.000E-07	1.900E-07	5.100E-07	4.600E-03	9.000E-09	3.900E-08
00133516	9.970E-02	9.000E-02	-3.000E-04	4.000E-07	1.400E-07	2.400E-07	9.600E-03	5.200E-08	3.400E-08
00133517	0.1086	0.1110	-2.400E-03	3.000E-07	1.300E-07	1.700E-07	4.800E-03	1.000E-09	4.700E-08
00133518	0.1061	0.1090	-1.900E-03	3.000E-07	1.300E-07	1.700E-07	8.400E-03	3.200E-08	5.200E-08
00133519	0.1061	0.1090	-1.900E-03	3.000E-07	1.300E-07	1.700E-07	5.700E-03	1.200E-08	4.500E-08
00133520	8.350E-02	8.500E-02	-1.500E-03	3.000E-07	1.400E-07	1.600E-07	4.800E-03	1.000E-09	4.300E-09
00133521	0.1265	0.1310	-5.500E-03	3.000E-07	1.400E-07	1.600E-07	0.100E-03	4.200E-08	4.900E-08
00133522	9.150E-02	9.200E-02	-5.200E-04	4.000E-07	1.400E-07	2.600E-07	4.100E-03	1.400E-08	4.700E-08
00133523	9.780E-02	9.900E-02	-1.200E-03	4.000E-07	1.400E-07	2.400E-07	3.900E-03	4.200E-08	4.700E-08
00133524	0.1025	0.1060	-1.500E-03	3.000E-07	1.300E-07	1.700E-07	2.670E-07	2.100E-07	5.700E-08
00133525	7.580E-02	7.700E-02	-1.200E-03	4.000E-07	1.500E-07	2.500E-07	4.600E-03	1.000E-09	4.500E-08
00133526	0.1102	0.1120	-1.900E-03	3.000E-07	1.400E-07	1.600E-07	1.770E-07	1.210E-08	5.100E-08
00133527	0.1102	0.1130	-2.300E-03	3.000E-07	1.400E-07	1.600E-07	1.040E-07	4.100E-08	4.700E-08
00133528	9.310E-02	9.400E-02	-9.000E-04	4.000E-07	1.400E-07	2.400E-07	5.500E-03	3.100E-08	3.400E-08
00133529	0.1011	0.1040	-2.900E-03	3.000E-07	1.400E-07	1.600E-07	5.400E-03	1.100E-08	4.900E-08
00133530	9.320E-02	9.400E-02	-8.000E-04	4.000E-07	1.500E-07	2.500E-07	1.120E-07	5.100E-08	4.100E-08
00133531	9.470E-02	9.700E-02	-1.300E-03	3.000E-07	1.400E-07	1.600E-07	5.200E-03	1.000E-08	4.200E-08
00133532	0.1010	0.1030	-2.000E-03	4.000E-07	1.400E-07	1.600E-07	5.400E-03	1.200E-08	4.600E-08
00133533	9.000E-02	0.1020	-3.000E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133534	0.1010	0.1030	-2.000E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133535	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133536	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133537	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133538	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133539	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133540	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133541	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133542	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133543	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133544	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133545	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133546	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133547	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133548	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133549	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133550	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133551	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133552	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133553	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133554	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133555	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133556	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133557	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133558	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133559	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133560	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133561	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133562	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133563	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133564	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08
00133565	9.000E-02	0.1020	-1.200E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-03	1.100E-08	4.700E-08

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		AGEING PART NO.: 27-10336		17 SEP 75	
SERIAL	10 1967 V (CL) (6-1)	11 1975 V (CL) (6-1)	12 DELTA V (CL) (6-1)	13 1967 I (CL)	14 1975 I (CL)	15 DELTA I (CL)	16 1967 I (CL)	17 1975 I (CL)	18 DELTA I (CL)
00133696	8.740E-02	8.800E-02	-6.000E-04	3.000E-07	1.300E-07	1.700E-07	4.100E-03	1.000E-09	4.000E-08
00133697	5.840E-02	5.900E-02	-6.000E-04	5.000E-07	1.500E-07	3.000E-07	4.100E-04	1.000E-09	4.000E-08
00133698	0.1044	0.1070	-2.600E-03	3.000E-07	1.300E-07	1.700E-07	4.400E-08	1.000E-09	4.000E-08
00133699	0.1044	0.1044	-2.600E-03	3.000E-07	1.300E-07	1.700E-07	4.400E-08	1.000E-09	4.000E-08
00133700	0.1016	0.1050	-3.400E-03	3.000E-07	1.400E-07	1.600E-07	4.300E-08	1.000E-09	4.000E-08
00133701	9.660E-02	9.700E-02	-4.000E-04	4.000E-07	1.400E-07	2.600E-07	9.600E-04	1.500E-09	5.100E-08
00133702	0.1010	0.1010	-2.900E-03	3.000E-07	1.300E-07	1.700E-07	4.200E-04	1.000E-09	4.000E-08
00133703	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133704	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133705	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133706	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133707	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133708	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133709	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133710	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133711	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133712	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133713	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133714	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133715	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133716	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133717	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133718	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133719	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133720	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133721	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133722	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133723	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133724	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133725	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133726	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133727	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133728	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133729	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133730	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08
00133731	8.770E-02	8.800E-02	-3.000E-04	5.000E-07	1.600E-07	3.000E-07	4.800E-08	1.000E-09	4.000E-08

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TABLE 5-VI. TEST RESULTS FOR REGISTER (Continued)

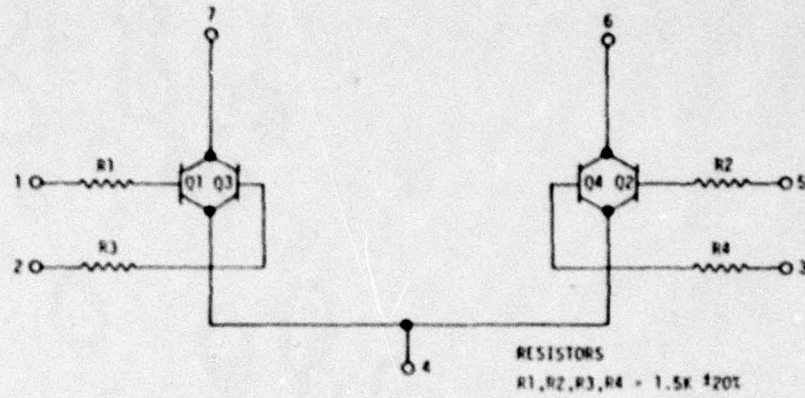
FILE NAME: SC2213AC		TITLE: DEVICE: REGISTER		MOTOROLA PART NO.: SC2213		ROFING PART NO.: 27-1033A		17 SEP 75	
SERIAL	10 1967 V (UL) (6-1)	11 1975 V (UL) (6-1)	12 DELTA V (UL) (6-1)	13 1967 I (L)	14 1975 I (L)	15 DELTA I (L)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00133832	4.86E-02	5.00E-02	-1.40E-03	8.00E-07	1.83E-07	6.20E-07	4.10E-08	1.00E-09	4.00E-08
00133833	9.72E-02	0.1010	-3.30E-03	6.80E-06	7.80E-07	6.02E-06	7.10E-07	7.10E-07	9.10E-08
00133834	5.81E-02	0.1240	-7.00E-03	4.00E-07	1.40E-07	2.60E-07	1.48E-07	1.12E-07	3.60E-08
00133835	9.33E-02	5.90E-02	-9.00E-04	6.00E-07	1.50E-07	4.50E-07	4.70E-08	5.00E-09	4.20E-08
00133836	9.33E-02	9.40E-02	-7.00E-04	4.00E-07	1.40E-07	2.60E-07	1.10E-07	7.10E-08	3.50E-08
00133837	9.33E-02	9.50E-02	-1.70E-03	4.00E-07	1.40E-07	2.60E-07	1.31E-07	7.10E-08	6.00E-09
00133838	8.70E-02	8.80E-02	-3.00E-04	4.00E-07	1.50E-07	2.50E-07	1.43E-07	9.10E-08	5.20E-08
00133839	7.99E-02	9.00E-02	-1.00E-04	4.00E-07	1.50E-07	2.50E-07	4.30E-08	1.00E-09	4.20E-08
00133840	0.1004	0.1040	-3.50E-03	3.20E-06	4.60E-07	2.74E-06	4.60E-08	5.00E-09	4.10E-08
00133841	9.58E-02	8.60E-02	-2.00E-04	6.00E-07	1.80E-07	4.20E-07	4.90E-08	1.10E-09	3.80E-08
00133842	0.1056	0.1050	-2.20E-03	1.62E-05	2.03E-06	1.71E-05	1.46E-07	1.41E-07	5.00E-08
00133843	9.60E-02	9.50E-02	-1.00E-04	4.00E-07	1.50E-07	2.50E-07	6.10E-08	1.20E-08	4.90E-08
00133844	8.20E-02	8.20E-02	0.0	4.00E-07	1.50E-07	2.50E-07	1.06E-07	6.10E-08	4.50E-08
00133845	0.1097	0.1130	-3.30E-03	3.00E-07	1.63E-07	3.84E-06	6.40E-08	3.10E-09	3.30E-09
00133846	8.52E-02	8.60E-02	-8.20E-04	2.20E-06	3.40E-07	6.10E-07	1.14E-07	4.50E-08	4.00E-08
00133847	8.06E-02	8.10E-02	-4.30E-04	4.00E-07	1.50E-07	2.50E-07	4.60E-08	5.00E-09	4.10E-08
00133848	0.1053	0.1103	-4.20E-03	7.00E-06	8.00E-07	6.20E-06	4.63E-08	2.00E-09	4.40E-08
00133849	9.31E-02	9.50E-02	-1.90E-03	4.00E-07	1.40E-07	2.60E-07	6.30E-08	1.20E-09	5.10E-08
00133850	9.30E-02	9.30E-02	0.0	9.60E-06	1.10E-06	9.50E-06	7.80E-08	4.90E-08	2.50E-08
00133870	8.26E-02	8.30E-02	-3.90E-04	4.00E-07	1.50E-07	2.50E-07	4.90E-08	9.00E-09	4.00E-08
00133871	7.24E-02	7.30E-02	-6.00E-04	4.00E-07	1.50E-07	2.50E-07	5.40E-08	1.10E-08	4.50E-08
00133872	7.27E-02	7.30E-02	-3.00E-04	1.00E-06	1.90E-07	8.10E-07	6.40E-08	2.10E-09	4.30E-08
00133875	0.1073	0.1110	-3.70E-03	4.00E-07	1.40E-07	2.60E-07	1.15E-07	6.50E-08	5.00E-08
00133876	0.1139	0.1139	-4.10E-03	3.00E-07	1.40E-07	1.70E-07	5.70E-08	1.10E-09	4.80E-08

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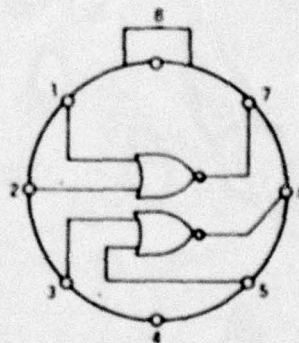
5.7 EXPANDER TEST RESULTS

Figure 5-7 and Table 5-VII present the circuit diagrams and the test results, respectively, for the Expander devices. The table lists both the original 1967 test and the 1975 test values, as well as the difference (delta) between them. The left-hand column titled "SERIAL" contains the part serial number. All current values are listed in ampere units, while all voltage values are in volt units. The standard computer printout convention has been used to denote exponents, i.e., $1.234\text{E}-02 = 1.234 \times 10^{-2}$ or 0.01234.

The actual test input conditions used for each of the seven parameter measurements made on the Expander devices can be found in the Appendix to this volume, Figures A-7 (a) through A-7 (g).



WIRING DIAGRAM



LOGIC DIAGRAM

VOLTAGE SPECIFICATIONS	
INPUT VOLTAGE	SPECIFICATION AT 25°C
POWER SUPPLY (NOMINAL)	3.00V
POWER SUPPLY (MAXIMUM)	3.67V
MAXIMUM "OFF" VOLTAGE	0.47V
MINIMUM "ON" VOLTAGE	0.75V
SATURATION VOLTAGE	0.81V
MINIMUM DRIVE VOLTAGE	1.80V
LOW LEVEL VOLTAGE FOR LEAKAGE CHECK	0.40V

FIGURE 5-7 WIRING AND LOGIC DIAGRAMS FOR EXPANDER

TABLE 5-VII. TEST RESULTS FOR EXPANDER

18 SEP 75

MOTOMOLA PART NO.: SC2221

TITLE: DEVICE: EXPANDER

FILE NAME: SC2221AB

GOING PART NO.: 27-10333

DELTA

V (OUT)

V (OUT)

DELTA

V (OUT)

DELTA

V (OUT)

DELTA

V (OUT)

SERIAL	1 1967 T (IN)	2 1975 T (IN)	3 DELTA T (IN)	4 1967 V (OUT)	5 1975 V (OUT)	6 DELTA V (OUT)	7 1967 V (OUT)	8 1975 V (OUT)	9 DELTA V (OUT)
00210006	1.014E-04	1.110E-04	-9.600E-06	9.840E-02	0.1010	-2.600E-03	8.420E-02	9.400E-02	2.000E-04
00210007	1.085E-04	1.170E-04	-8.500E-06	0.1213	0.1290	-7.700E-03	0.1010	0.1040	-3.000E-03
00210008	1.109E-04	1.200E-04	-9.100E-06	0.1434	0.1530	-9.600E-03	0.1151	0.1190	-3.700E-03
00210009	1.083E-04	1.170E-04	-8.700E-06	0.1499	0.1460	3.900E-03	0.1115	0.1140	-2.500E-03
00210010	1.147E-04	1.220E-04	-7.300E-06	0.1571	0.1630	-5.900E-03	0.1185	0.1230	-4.400E-03
00210011	1.101E-04	1.150E-04	-4.900E-06	0.1344	0.1330	1.400E-03	0.1030	0.1070	-4.000E-03
00210012	1.087E-04	1.123E-04	-5.100E-06	0.1103	0.1150	-4.700E-03	9.230E-02	9.400E-02	-1.700E-03
00210013	1.109E-04	1.160E-04	-5.100E-06	0.1420	0.1570	-1.000E-02	0.1140	0.1180	-4.000E-03
00210014	1.023E-04	1.110E-04	-8.700E-06	0.1499	0.1630	-1.310E-02	0.1201	0.1230	-2.600E-03
00210015	1.053E-04	1.130E-04	-8.600E-06	0.1079	0.1100	-2.100E-03	8.900E-02	9.000E-02	-1.000E-03
00210016	1.051E-04	1.150E-04	-9.900E-06	0.1286	0.1230	5.600E-03	9.970E-02	0.1010	-1.300E-03
00210017	1.047E-04	1.150E-04	-1.030E-05	0.1490	0.1680	-1.900E-02	0.1235	0.1260	-2.400E-03
00210018	1.111E-04	1.210E-04	-9.900E-06	0.1426	0.1480	-5.400E-03	0.1143	0.1170	-2.700E-03
00210019	1.145E-04	1.220E-04	-7.600E-06	0.1638	0.1640	-3.200E-03	0.1215	0.1250	-3.400E-03
00210020	1.155E-04	1.250E-04	-9.500E-06	0.1476	0.1730	-2.540E-02	0.1240	0.1270	-4.700E-03
00210021	1.120E-04	1.200E-04	-8.000E-06	0.1322	0.1450	-7.300E-03	0.1089	0.1120	-3.100E-03
00210022	1.125E-04	1.203E-04	-7.500E-06	0.1457	0.1530	-7.300E-03	0.1149	0.1190	-4.100E-03
00210023	1.158E-04	1.230E-04	-7.200E-06	0.1550	0.1900	-3.500E-02	0.1287	0.1340	-5.300E-03
00210024	1.050E-04	1.120E-04	-7.000E-06	0.1184	0.1290	-1.050E-02	0.1009	0.1030	-2.100E-03
00210025	1.160E-04	1.230E-04	-7.000E-06	0.1531	0.1650	-1.190E-02	0.1191	0.1230	-3.700E-03
00210026	1.131E-04	1.200E-04	-6.900E-06	0.1587	0.1110	-6.230E-03	0.1271	0.1330	-5.500E-03
00210027	1.146E-04	1.210E-04	-6.400E-06	0.1603	0.1530	-1.270E-02	0.1147	0.1180	-3.300E-03
00210028	1.134E-04	1.210E-04	-7.200E-06	0.1288	0.1400	-1.120E-02	0.1069	0.1100	-3.100E-03
00210029	1.167E-04	1.230E-04	-6.300E-06	0.1437	0.1560	-1.230E-02	0.1163	0.1200	-3.700E-03
00210030	1.091E-04	1.170E-04	-7.900E-06	0.1393	0.1430	-3.700E-03	0.1101	0.1150	-2.900E-03
00210031	1.131E-04	1.200E-04	-6.900E-06	0.1494	0.1660	-1.620E-02	0.1204	0.1250	-4.200E-03
00210032	1.137E-04	1.250E-04	-9.300E-06	0.1636	0.1610	2.600E-03	0.1198	0.1230	-3.200E-03
00210033	1.120E-04	1.210E-04	-9.000E-06	0.1470	0.1590	-1.200E-02	0.1205	0.1250	-4.400E-03
00210034	1.144E-04	1.220E-04	-7.600E-06	0.1449	0.1610	-1.610E-02	0.1192	0.1220	-3.000E-03
00210035	1.112E-04	1.200E-04	-8.400E-06	0.1546	0.1580	-3.400E-03	0.1197	0.1220	-3.300E-03
00210036	1.070E-04	1.150E-04	-8.000E-06	0.1335	0.1440	-1.050E-02	0.1124	0.1140	-3.200E-03
00210037	1.148E-04	1.220E-04	-7.200E-06	0.1531	0.1580	-9.00E-03	0.1171	0.1220	-4.200E-03
00210038	1.113E-04	1.210E-04	-9.700E-06	0.1240	0.1290	-5.000E-03	0.1021	0.1120	-2.700E-03
00210039	1.103E-04	1.170E-04	-7.000E-06	0.1348	0.1700	-5.520E-02	0.1212	0.1250	-3.800E-03
00210040	1.221E-04	1.270E-04	-6.400E-06	0.1454	0.1590	-1.360E-02	0.1193	0.1220	-3.700E-03
00210041	1.175E-04	1.175E-04	-7.300E-06	0.1342	0.1470	-1.280E-02	0.1107	0.1150	-2.800E-03
00210042	1.107E-04	1.175E-04	-6.100E-06	0.1351	0.1400	-1.390E-02	0.1114	0.1150	-3.400E-03
00210043	1.151E-04	1.220E-04	-6.900E-06	0.1614	0.1550	6.400E-03	0.1157	0.1190	-3.300E-03
00210044	1.195E-04	1.270E-04	-7.500E-06	0.1647	0.1690	-4.300E-03	0.1225	0.1270	-4.500E-03
00210045	1.173E-04	1.260E-04	-9.700E-06	0.1218	0.1260	-6.200E-03	0.1019	0.1050	-3.100E-03
00210046	1.259E-04	1.330E-04	-7.200E-06	0.1602	0.1500	-9.800E-03	0.1159	0.1190	-3.200E-03
00210047	1.265E-04	1.350E-04	-8.400E-06	0.1411	0.1490	-7.900E-03	0.1151	0.1190	-3.900E-03
00210048	1.185E-04	1.260E-04	-7.500E-06	0.1103	0.1090	-1.300E-03	8.840E-02	9.000E-02	-1.600E-03
00210049	1.216E-04	1.290E-04	-7.400E-06	0.1350	0.1450	-9.000E-03	0.1139	0.1170	-3.100E-03
00210050	1.260E-04	1.310E-04	-5.600E-06	0.1264	0.1370	-1.620E-02	0.1083	0.1110	-2.700E-03
00210051	1.160E-04	1.250E-04	-8.100E-06	0.1294	0.1390	-9.100E-03	0.1103	0.1130	-3.000E-03
00210052	1.250E-04	1.330E-04	-7.200E-06	0.1344	0.1550	-2.050E-03	0.1164	0.1200	-3.400E-03
00210053	1.228E-04	1.315E-04	-8.200E-06	0.1367	0.1450	-7.300E-03	0.1121	0.1150	-2.600E-03
00210054	1.199E-04	1.270E-04	-7.100E-06	0.1296	0.1400	-1.050E-02	0.1098	0.1130	-3.200E-03
00210055	1.194E-04	1.260E-04	-6.600E-06	0.1101	0.1260	-1.690E-02	9.920E-02	0.1010	-1.800E-03

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TABLE 5-VII. TEST RESULTS FOR EXPANDER (Continued)

FILE NAME:	SC2221AB	TITLE:	DEVI: EXPANDER	MOTOROLA PART NO.: SC2221		ROEING PART NO.: 27-10333		18 SEP 75	
SERIAL	1 1967 (1)	2 1975 (1)	3 DELTA (1)	4 1967 V(OUT) (6-1)	5 1975 V(OUT) (6-1)	6 DELTA V(OUT) (6-1)	7 1967 V (OL) (7-1)	8 1975 V (OL) (7-1)	9 DELTA V (OL) (7-1)
00210331	1.201E-04	1.290E-04	-8.700E-06	0.1241	0.1150	-1.090E-02	0.1089	0.1120	-3.100E-03
00210332	1.238E-04	1.330E-04	-9.200E-06	0.1335	0.1190	-5.500E-03	0.1104	0.1130	-2.700E-03
00210333	1.251E-04	1.350E-04	-9.900E-06	0.1328	0.1450	-1.220E-02	0.1128	0.1160	-3.200E-03
00210336	1.204E-04	1.290E-04	-8.200E-06	0.1147	0.1190	-4.300E-03	9.880E-02	0.1010	-2.200E-03
00210338	1.175E-04	1.260E-04	-8.100E-06	0.1046	0.1210	-1.640E-02	9.880E-02	0.1010	-2.200E-03
00210399	1.227E-04	1.310E-04	-8.300E-06	0.1140	0.1220	-8.000E-03	9.940E-02	0.1020	-2.600E-03
00210401	1.214E-04	1.300E-04	-8.600E-06	0.1136	0.1200	-6.400E-03	9.700E-02	9.900E-02	-2.000E-03
00210402	1.261E-04	1.330E-04	-6.900E-06	0.1165	0.1540	-1.750E-02	0.1183	0.1220	-3.700E-03
00210403	1.222E-04	1.290E-04	-6.800E-06	0.1145	0.1680	-3.350E-02	0.1249	0.1290	-4.100E-03
00210405	1.169E-04	1.230E-04	-6.100E-06	9.830E-02	0.1070	-8.700E-03	8.830E-02	8.900E-02	-7.000E-04
00210406	1.261E-04	1.350E-04	-8.900E-06	0.1469	0.1530	-6.100E-03	0.1202	0.1230	-2.800E-03
00210407	1.222E-04	1.300E-04	-7.800E-06	0.1180	0.1420	-4.000E-03	0.1155	0.1190	-3.400E-03
00210409	1.211E-04	1.328E-04	-1.090E-05	0.1042	0.1080	-3.800E-03	9.150E-02	9.100E-02	5.000E-04
00210411	1.217E-04	1.310E-04	-9.300E-06	0.1142	0.1190	-4.800E-03	0.1102	0.1130	-2.800E-03
00210412	1.255E-04	1.340E-04	-8.500E-06	0.1417	0.1480	-6.300E-03	0.1154	0.1190	-3.200E-03
00210414	1.200E-04	1.270E-04	-7.000E-06	0.1140	0.1210	-7.000E-03	9.970E-02	0.1020	-2.800E-03
00210470	1.172E-04	1.240E-04	-4.800E-06	9.960E-02	0.1010	-1.400E-03	8.420E-02	8.400E-02	-2.000E-04
00210471	1.208E-04	1.290E-04	-8.200E-06	0.1104	0.1170	-6.600E-03	9.650E-02	9.700E-02	-5.000E-04
00210474	1.123E-04	1.230E-04	-1.070E-05	0.1156	0.1190	-3.400E-03	9.880E-02	0.1010	-2.200E-03
00210475	1.249E-04	1.310E-04	-9.200E-06	0.1524	0.1650	-1.260E-02	0.1293	0.1340	-4.200E-03
00210476	1.191E-04	1.270E-04	-7.900E-06	0.1154	0.1620	-1.660E-02	0.1257	0.1290	-3.300E-03
00210477	1.190E-04	1.270E-04	-9.000E-06	0.1217	0.1360	-1.430E-02	0.1089	0.1110	-2.200E-03
00210479	1.143E-04	1.250E-04	-1.070E-05	9.910E-02	0.1010	-1.930E-03	8.540E-02	8.600E-02	-6.000E-04
00210481	1.115E-04	1.220E-04	-1.050E-05	0.1067	0.1100	-3.300E-03	9.250E-02	9.300E-02	-5.000E-04
00210483	1.270E-04	1.360E-04	-9.000E-06	0.1523	0.1730	-2.070E-02	0.1311	0.1350	-3.900E-03
00210484	1.184E-04	1.270E-04	-8.600E-06	0.1096	0.1070	-2.600E-03	8.490E-02	8.700E-02	-9.600E-05
00210485	1.152E-04	1.230E-04	-7.800E-06	0.1173	0.1430	-5.700E-03	0.1147	0.1190	-3.300E-03
00210487	1.192E-04	1.270E-04	-7.800E-06	0.1313	0.1050	-3.700E-03	8.570E-02	8.700E-02	-1.400E-03
00210542	1.213E-04	1.290E-04	-7.700E-06	0.1421	0.1560	-1.290E-02	0.1221	0.1250	-2.900E-03
00210543	1.104E-04	1.420E-04	-1.160E-05	0.1618	0.1630	-1.200E-03	0.1301	0.1340	-3.400E-03
00210544	1.249E-04	1.340E-04	-9.100E-06	0.1417	0.1480	-5.300E-03	0.1189	0.1220	-3.100E-03
00210545	1.153E-04	1.250E-04	-9.700E-06	0.1247	0.1310	-9.300E-03	0.1067	0.1090	-2.800E-03
00210546	1.175E-04	1.260E-04	-9.200E-06	0.1188	0.1230	-4.200E-03	0.1090	0.1030	-3.000E-03
00210547	1.105E-04	1.200E-04	-9.400E-06	9.950E-02	0.1030	-3.500E-03	8.640E-02	8.700E-02	-6.000E-04
00210548	1.195E-04	1.320E-04	-1.250E-05	0.1169	0.1210	-2.100E-03	9.990E-02	0.1020	-2.100E-03
00210549	1.147E-04	1.220E-04	-7.300E-06	0.1165	0.1170	-4.500E-03	9.310E-02	9.500E-02	-1.900E-03
00210550	1.183E-04	1.230E-04	-4.700E-06	0.1178	0.1270	-9.700E-03	0.1017	0.1040	-2.100E-03
00210551	1.259E-04	1.350E-04	-9.100E-06	0.1459	0.1760	-1.050E-02	0.1329	0.1370	-4.100E-03
00210552	1.209E-04	1.300E-04	-9.100E-06	0.1140	0.1190	-5.000E-03	0.750E-02	0.1010	-3.500E-03
00210553	1.173E-04	1.330E-04	-1.570E-05	0.1105	0.1160	-2.350E-02	9.940E-02	0.1110	-1.160E-02
00210554	1.300E-04	1.260E-04	-4.800E-06	0.1727	0.1160	-5.700E-02	0.1364	0.400E-02	-4.240E-02
00210555	1.187E-04	1.230E-04	-4.300E-06	0.1246	0.1310	-6.400E-03	0.1095	0.1080	-1.500E-03
00210556	1.183E-04	1.200E-04	-1.700E-06	0.1119	0.1200	-4.500E-03	9.330E-02	0.1010	-7.700E-03
00210557	1.174E-04	1.310E-04	-1.360E-05	0.1202	0.1010	-1.920E-02	0.1041	8.600E-02	-1.860E-02
00210559	1.114E-04	1.260E-04	-1.490E-05	0.1140	0.1270	-1.100E-02	9.860E-02	0.1050	-6.400E-03
00210614	1.161E-04	1.260E-04	-9.000E-06	0.1015	0.1030	-1.500E-03	8.540E-02	9.600E-02	-4.000E-04
00210615	1.147E-04	1.260E-04	-7.300E-06	0.1196	0.1290	-9.400E-03	0.1032	0.1060	-2.700E-03
00210616	1.192E-04	1.260E-04	-6.800E-06	0.1057	9.500E-02	-1.400E-02	7.940E-02	9.000E-02	-2.000E-04
00210619	1.137E-04	1.240E-04	-1.030E-05	0.1002	9.800E-02	-2.200E-03	9.420E-02	9.600E-02	-2.000E-04
00210620	1.227E-04	1.240E-04	-6.300E-06	0.1074	0.1150	-7.500E-03	9.740E-02	9.400E-02	-1.400E-03

D256-10082-2

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con' red)

D256-100E2-2

18 SEP 75

27-10333

ENGINE PART NO.: 5C2221

MOTOROLA PART NO.: 5C2221

TITLE: DEVICE: EXPANDER

FILE NAME: SC2221AB

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DELTA

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D256-100E2-2

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con ted)

18 SEP 75

27-10333

SC2221

EXPANDER

SC221AB

FILE NAME:

TITLE:

DEVICE:

EXPANDER

SERIAL	1 1967 I (IN) (1)	2 1975 I (IN) (1)	3 DELTA I (IN) (1)	4 1967 V(OUT) (6-1)	5 1975 V(OUT) (6-1)	6 DELTA V(OUT) (6-1)	7 1967 V (OL) (7-1)	8 1975 V (OL) (7-1)	9 DELTA V (OL) (7-1)
00211059	1.154E-04	1.250E-04	-9.600E-06	0.1775	0.2050	-2.750E-02	0.1329	0.1380	-5.100E-03
00211060	1.127E-04	1.210E-04	-8.300E-06	0.1600	0.1740	-1.400E-02	0.1253	0.1290	-3.700E-03
00211062	1.037E-04	1.140E-04	-8.300E-06	0.1137	0.1200	-7.300E-03	9.580E-02	9.700E-02	-1.200E-03
00211063	1.135E-04	1.210E-04	-7.500E-06	0.1114	0.1190	-7.600E-03	9.680E-02	9.700E-02	-2.000E-04
00211065	1.135E-04	1.225E-04	-8.500E-06	0.1241	0.1140	1.000E-04	9.720E-02	9.800E-02	-8.000E-04
00211068	1.195E-04	1.300E-04	-1.050E-05	0.1827	0.2040	-2.530E-02	0.1359	0.1400	-4.100E-03
00211069	1.119E-04	1.210E-04	-8.200E-06	0.1130	0.1160	-2.590E-02	0.1149	0.1180	-3.100E-03
00211070	1.145E-04	1.230E-04	-8.500E-06	0.1626	0.1910	-1.040E-02	0.1309	0.1350	-4.100E-03
00211071	1.120E-04	1.210E-04	-9.000E-06	0.1455	0.1550	-9.500E-03	0.1164	0.1200	-3.600E-03
00211072	1.075E-04	1.160E-04	-8.800E-06	0.1254	0.1350	-8.600E-03	0.1048	0.1070	-2.200E-03
00211073	1.063E-04	1.135E-04	-6.700E-06	0.1151	0.1200	-9.900E-03	9.340E-02	9.500E-02	-6.000E-04
00211075	1.135E-04	1.210E-04	-7.700E-06	0.1747	0.1910	3.700E-03	0.1306	0.1350	-5.600E-03
00211076	1.185E-04	1.260E-04	-7.100E-06	0.1752	0.1920	-1.680E-02	0.1290	0.1350	-5.100E-03
00211077	1.052E-04	1.110E-04	-5.900E-06	0.1386	0.1710	-3.240E-02	0.1220	0.1270	-5.000E-03
00211078	1.073E-04	1.150E-04	-7.200E-06	0.1224	0.1330	-1.060E-02	0.1030	0.1060	-3.000E-03
00211079	1.183E-04	1.260E-04	-7.700E-06	0.1703	0.1980	-1.970E-02	0.1315	0.1350	-3.500E-03
00211080	1.113E-04	1.190E-04	-7.700E-06	0.1534	0.1730	-2.600E-03	0.1219	0.1250	-4.100E-03
00211081	1.186E-04	1.260E-04	-7.400E-06	0.1747	0.2000	-2.530E-03	0.1352	0.1400	-4.800E-03
00211082	1.116E-04	1.195E-04	-7.400E-06	0.1673	0.1820	-1.470E-02	0.1296	0.1340	-4.600E-03
00211084	1.134E-04	1.223E-04	-8.600E-06	0.1698	0.1920	-2.220E-02	0.1316	0.1360	-4.400E-03
00211085	1.074E-04	1.170E-04	-9.600E-06	0.1341	0.1400	-5.900E-03	0.1089	0.1110	-4.100E-03
00211092	1.159E-04	1.230E-04	-7.200E-06	0.1717	0.1830	-1.130E-02	0.1254	0.1300	-4.600E-03
00211093	1.136E-04	1.205E-04	-6.400E-06	0.1959	0.2250	-2.910E-02	0.1420	0.1470	-5.000E-03
00211094	1.172E-04	1.230E-04	-5.800E-06	0.1630	0.2020	-1.900E-02	0.1307	0.1350	-4.300E-03
00211095	1.019E-04	1.070E-04	-5.100E-06	0.1366	0.1530	-1.640E-02	0.1142	0.1190	-3.800E-03
00211097	1.149E-04	1.235E-04	-9.200E-06	0.1119	0.1350	-2.310E-02	0.1036	0.1060	-2.400E-03
00211098	1.047E-04	1.125E-04	-7.300E-06	0.1298	0.1560	-2.620E-03	0.1181	0.1210	-2.900E-03
00211099	1.099E-04	1.165E-04	-6.100E-06	0.1175	0.1280	-1.050E-02	9.950E-02	0.1030	-3.500E-03
00211100	1.101E-04	1.160E-04	-5.900E-06	0.1248	0.1380	-9.200E-03	0.1053	0.1080	-2.700E-03
00211101	1.055E-04	1.110E-04	-5.500E-06	0.1035	0.1200	-1.650E-02	9.590E-02	9.800E-02	-2.100E-03
00211103	1.179E-04	1.240E-04	-6.100E-06	0.1647	0.1910	-2.630E-02	0.1297	0.1350	-5.300E-03
00211104	1.172E-04	1.230E-04	-5.800E-06	0.1728	0.2250	-3.220E-02	0.1334	0.1390	-5.600E-03
00211105	1.152E-04	1.210E-04	-5.800E-06	0.1121	0.1290	-1.690E-02	9.460E-02	0.1020	-3.400E-03
00211106	1.059E-04	1.110E-04	-5.200E-06	0.1092	0.1210	-1.180E-02	9.520E-02	9.800E-02	-1.800E-03
00211109	1.205E-04	1.305E-04	-8.100E-06	0.1629	0.1900	-2.710E-02	0.1306	0.1350	-4.400E-03
00211111	1.094E-04	1.170E-04	-7.400E-06	0.1293	0.1350	-1.070E-02	9.100E-02	0.1070	-2.500E-03
00211116	1.089E-04	1.160E-04	-7.100E-06	0.1310	0.1430	-1.200E-03	0.1091	0.1120	-2.900E-03
00211118	1.115E-04	1.190E-04	-7.500E-06	0.1269	0.1460	-1.910E-02	0.1104	0.1130	-2.200E-03
00211119	1.143E-04	1.210E-04	-6.700E-06	0.1294	0.1310	-1.060E-02	0.1006	0.1040	-3.400E-03
00211120	1.125E-04	1.190E-04	-6.500E-06	0.1610	0.1530	-1.200E-02	9.110E-02	0.1180	-3.400E-03
00211121	1.174E-04	1.250E-04	-7.200E-06	0.1849	0.2120	-2.710E-02	0.1370	0.1420	-5.000E-03
00211122	1.063E-04	1.130E-04	-6.700E-06	0.1138	0.1150	-1.200E-03	9.290E-02	9.400E-02	-1.100E-03
00211123	1.145E-04	1.225E-04	-7.500E-06	0.1992	0.2470	-5.730E-02	0.1371	0.1430	-5.700E-03
00211124	1.041E-04	1.100E-04	-1.020E-05	0.1505	0.1710	-2.050E-02	0.1255	0.1290	-3.500E-03
00211125	1.086E-04	1.150E-04	-6.400E-06	0.1243	0.1460	-2.070E-02	0.1095	0.1120	-3.500E-03
00211126	1.065E-04	1.140E-04	-7.500E-06	0.1117	0.1180	-6.300E-03	9.580E-02	9.500E-02	-2.000E-04
00211127	1.138E-04	1.210E-04	-7.200E-06	0.1270	0.1470	-2.000E-03	0.1104	0.1130	-2.600E-03
00211128	1.107E-04	1.190E-04	-8.300E-06	0.1197	0.1500	-9.300E-03	0.1114	0.1150	-3.200E-03
00211129	1.175E-04	1.250E-04	-7.200E-06	0.1304	0.2370	-5.660E-02	0.1344	0.1440	-3.200E-03
00211130	1.165E-04	1.270E-04	-1.050E-05	0.1580	0.1860	-2.780E-02	0.1297	0.1330	-3.300E-03

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TABLE S-VII. TEST RESULTS FOR EXPANDER (Con ted)

18 SEP 75

BOEING PART NO.: 27-10333

MOTOROLA PART NO.: SC2221

TITLE: DEVICE: EXPANDER

FILE NAME: SC2221A8

SERIAL	1		2		3		4		5		6		7		8		9	
	I (IN)	I (IN)	I (IN)	DELTA	V(OUT)	1975	DELTA	V(OUT)	1975	V(OUT)	DELTA	V(OUT)	1975	V (IN)	1975	V (OUT)	DELTA	V (OUT)
00211131	1.052E-04	1.120E-04	1.120E-04	-6.800E-06	0.1395	0.1370	2.500E-03	0.1054	0.1080	-2.600E-03	0.1054	0.1370	2.500E-03	0.1054	0.1080	-2.600E-03	0.1054	0.1080
00211133	1.145E-04	1.230E-04	1.230E-04	-8.500E-06	0.1440	0.1660	-2.200E-02	0.1203	0.1250	-4.100E-03	0.1203	0.1660	-2.200E-02	0.1203	0.1250	-4.100E-03	0.1203	0.1250
00211138	1.087E-04	1.160E-04	1.160E-04	-7.300E-06	0.1209	0.1250	-4.100E-03	9.810E-02	0.1010	-2.900E-03	9.810E-02	0.1250	-4.100E-03	9.810E-02	0.1010	-2.900E-03	9.810E-02	0.1010
00211139	1.141E-04	1.220E-04	1.220E-04	-7.900E-06	0.1956	0.2172	-2.640E-02	0.1474	0.1470	-4.600E-03	0.1474	0.2172	-2.640E-02	0.1474	0.1470	-4.600E-03	0.1474	0.1470
00211140	1.146E-04	1.230E-04	1.230E-04	-8.400E-06	0.1599	0.1890	-2.910E-02	0.1291	0.1330	-3.900E-03	0.1291	0.1890	-2.910E-02	0.1291	0.1330	-3.900E-03	0.1291	0.1330
00211143	1.127E-04	1.220E-04	1.220E-04	-9.300E-06	0.1696	0.1819	-1.140E-02	0.1304	0.1340	-3.400E-03	0.1304	0.1819	-1.140E-02	0.1304	0.1340	-3.400E-03	0.1304	0.1340
00211144	1.043E-04	1.150E-04	1.150E-04	-1.070E-05	0.1042	0.1150	-1.080E-02	9.400E-02	9.400E-02	0.0	9.400E-02	0.1150	-1.080E-02	9.400E-02	9.400E-02	0.0	9.400E-02	9.400E-02
00211145	1.136E-04	1.260E-04	1.260E-04	-1.240E-05	0.1637	0.1650	-1.300E-03	0.1255	0.1280	-2.500E-03	0.1255	0.1650	-1.300E-03	0.1255	0.1280	-2.500E-03	0.1255	0.1280
00211146	1.116E-04	1.200E-04	1.200E-04	-8.400E-06	0.1293	0.1350	-5.700E-03	0.1061	0.1030	-1.900E-03	0.1061	0.1350	-5.700E-03	0.1061	0.1030	-1.900E-03	0.1061	0.1030
00211147	1.157E-04	1.250E-04	1.250E-04	-8.300E-06	0.1777	0.2240	-4.630E-02	0.1351	0.1400	-4.900E-03	0.1351	0.2240	-4.630E-02	0.1351	0.1400	-4.900E-03	0.1351	0.1400
00211149	1.093E-04	1.170E-04	1.170E-04	-8.000E-06	0.1324	0.1460	-1.160E-02	0.1087	0.1120	-3.300E-03	0.1087	0.1460	-1.160E-02	0.1087	0.1120	-3.300E-03	0.1087	0.1120
00211150	1.067E-04	1.150E-04	1.150E-04	-8.300E-06	0.1154	0.1300	-1.460E-02	0.1021	0.1020	-1.900E-03	0.1021	0.1300	-1.460E-02	0.1021	0.1020	-1.900E-03	0.1021	0.1020
00211151	1.176E-04	1.240E-04	1.240E-04	-6.400E-06	0.1570	0.1760	-1.900E-02	0.1243	0.1290	-5.000E-03	0.1243	0.1760	-1.900E-02	0.1243	0.1290	-5.000E-03	0.1243	0.1290
00211152	1.073E-04	1.130E-04	1.130E-04	-6.000E-06	0.1222	0.1150	7.200E-03	9.170E-02	9.300E-02	-1.300E-03	9.170E-02	0.1150	7.200E-03	9.170E-02	9.300E-02	-1.300E-03	9.170E-02	9.300E-02
00211153	1.119E-04	1.190E-04	1.190E-04	-7.100E-06	0.1404	0.1680	-2.760E-02	0.1197	0.1240	-4.300E-03	0.1197	0.1680	-2.760E-02	0.1197	0.1240	-4.300E-03	0.1197	0.1240
00211154	1.025E-04	1.170E-04	1.170E-04	-1.450E-05	0.1319	0.1330	-1.100E-03	0.1097	0.1100	-3.000E-04	0.1097	0.1330	-1.100E-03	0.1097	0.1100	-3.000E-04	0.1097	0.1100
00211155	1.148E-04	1.220E-04	1.220E-04	-7.200E-06	0.1593	0.2400	-7.070E-02	0.1324	0.1390	-6.200E-03	0.1324	0.2400	-7.070E-02	0.1324	0.1390	-6.200E-03	0.1324	0.1390
00211156	1.039E-04	1.130E-04	1.130E-04	-9.200E-06	9.630E-02	0.1410	-3.300E-03	9.270E-02	9.400E-02	-1.300E-03	9.270E-02	0.1410	-3.300E-03	9.270E-02	9.400E-02	-1.300E-03	9.270E-02	9.400E-02
00211157	1.101E-04	1.170E-04	1.170E-04	-6.200E-06	0.1540	0.1410	-1.300E-02	0.1099	0.1130	-3.100E-03	0.1099	0.1410	-1.300E-02	0.1099	0.1130	-3.100E-03	0.1099	0.1130
00211158	1.065E-04	1.140E-04	1.140E-04	-7.500E-06	0.1327	0.1423	-9.300E-03	0.1099	0.1130	-3.100E-03	0.1099	0.1423	-9.300E-03	0.1099	0.1130	-3.100E-03	0.1099	0.1130
00211160	1.164E-04	1.230E-04	1.230E-04	-6.600E-06	0.1348	0.2280	-1.010E-02	0.1043	0.1070	-4.800E-03	0.1043	0.2280	-1.010E-02	0.1043	0.1070	-4.800E-03	0.1043	0.1070
00211161	1.091E-04	1.160E-04	1.160E-04	-6.300E-06	0.1249	0.1330	-1.010E-02	0.1043	0.1070	-4.800E-03	0.1043	0.1330	-1.010E-02	0.1043	0.1070	-4.800E-03	0.1043	0.1070
00211162	1.054E-04	1.120E-04	1.120E-04	-6.600E-06	0.1151	0.1200	-4.900E-03	9.490E-02	9.600E-02	-1.100E-03	9.490E-02	0.1200	-4.900E-03	9.490E-02	9.600E-02	-1.100E-03	9.490E-02	9.600E-02
00211164	1.167E-04	1.230E-04	1.230E-04	-7.300E-06	0.1678	0.2130	-4.520E-02	0.1321	0.1370	-4.900E-03	0.1321	0.2130	-4.520E-02	0.1321	0.1370	-4.900E-03	0.1321	0.1370
00211165	1.141E-04	1.230E-04	1.230E-04	-7.700E-06	0.1537	0.1610	-1.530E-02	0.1221	0.1250	-3.900E-03	0.1221	0.1610	-1.530E-02	0.1221	0.1250	-3.900E-03	0.1221	0.1250
00211166	1.101E-04	1.160E-04	1.160E-04	-5.900E-06	0.1450	0.1530	-8.000E-03	0.1132	0.1170	-3.800E-03	0.1132	0.1530	-8.000E-03	0.1132	0.1170	-3.800E-03	0.1132	0.1170
00211168	1.093E-04	1.210E-04	1.210E-04	-1.120E-05	0.1338	0.1420	-4.200E-03	0.1115	0.1133	-1.400E-03	0.1115	0.1420	-4.200E-03	0.1115	0.1133	-1.400E-03	0.1115	0.1133
00211169	1.140E-04	1.220E-04	1.220E-04	-8.000E-06	0.1616	0.1730	-1.140E-02	0.1257	0.1290	-3.100E-03	0.1257	0.1730	-1.140E-02	0.1257	0.1290	-3.100E-03	0.1257	0.1290
00211170	1.091E-04	1.260E-04	1.260E-04	-1.690E-05	0.1759	0.1330	-1.110E-02	0.1114	0.1080	-3.400E-03	0.1114	0.1330	-1.110E-02	0.1114	0.1080	-3.400E-03	0.1114	0.1080
00211171	1.173E-04	1.230E-04	1.230E-04	-5.700E-06	0.1326	0.1130	1.160E-02	9.105E-02	9.200E-02	1.340E-02	9.105E-02	0.1130	1.160E-02	9.105E-02	9.200E-02	1.340E-02	9.105E-02	9.200E-02
00211172	1.164E-04	1.270E-04	1.270E-04	-1.760E-05	0.1042	0.2260	-3.191E-02	9.130E-02	0.1450	-5.170E-02	9.130E-02	0.2260	-3.191E-02	9.130E-02	0.1450	-5.170E-02	9.130E-02	0.1450
00211173	1.174E-04	1.160E-04	1.160E-04	1.800E-06	0.1941	0.1250	6.910E-02	0.1401	0.1020	3.810E-02	0.1401	0.1250	6.910E-02	0.1401	0.1020	3.810E-02	0.1401	0.1020
00211174	1.072E-04	1.130E-04	1.130E-04	-5.800E-06	0.1176	0.1190	-1.400E-03	9.980E-02	9.600E-02	3.800E-03	9.980E-02	0.1190	-1.400E-03	9.980E-02	9.600E-02	3.800E-03	9.980E-02	9.600E-02
00211175	1.050E-04	1.170E-04	1.170E-04	-1.120E-05	0.1204	0.1400	-1.960E-02	9.470E-02	0.1110	-1.630E-02	9.470E-02	0.1400	-1.960E-02	9.470E-02	0.1110	-1.630E-02	9.470E-02	0.1110
00211178	1.078E-04	1.160E-04	1.160E-04	-8.200E-06	0.1332	0.1410	-7.900E-03	0.1081	0.1110	-2.900E-03	0.1081	0.1410	-7.900E-03	0.1081	0.1110	-2.900E-03	0.1081	0.1110
00211179	1.097E-04	1.170E-04	1.170E-04	-7.300E-06	9.950E-02	0.1080	-8.500E-03	8.840E-02	8.900E-02	-6.000E-04	8.840E-02	0.1080	-8.500E-03	8.840E-02	8.900E-02	-6.000E-04	8.840E-02	8.900E-02
00211180	1.037E-04	1.100E-04	1.100E-04	-6.300E-06	0.1208	0.1350	-1.420E-02	0.1051	0.1090	-3.900E-03	0.1051	0.1350	-1.420E-02	0.1051	0.1090	-3.900E-03	0.1051	0.1090
00211184	1.095E-04	1.160E-04	1.160E-04	-6.500E-06	0.1332	0.1390	-5.400E-03	0.1065	0.1090	-2.400E-03	0.1065	0.1390	-5.400E-03	0.1065	0.1090	-2.400E-03	0.1065	0.1090
00211185	1.087E-04	1.200E-04	1.200E-04	-1.110E-05	0.1197	0.1350	-1.110E-02	7.300E-02	7.400E-02	3.150E-02	7.300E-02	0.1350	-1.110E-02	7.300E-02	7.400E-02	3.150E-02	7.300E-02	7.400E-02
00211186	1.135E-04	1.160E-04	1.160E-04	-2.500E-06	0.1547	0.1150	4.970E-02	0.1292	9.400E-02	3.520E-02	0.1292	0.1150	4.970E-02	0.1292	9.400E-02	3.520E-02	0.1292	9.400E-02
00211187	1.107E-04	1.210E-04	1.210E-04	-1.030E-05	0.1403	0.1800	-1.970E-02	0.1123	0.11.									

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Continued)

FILE NAME: SC2211A		TITLE: DEVICE: EXPANDER		MOTOROLA PART NO.: SC2211		AGEING PART NO.: 27-10333		18 SEP 75	
SERIAL	1 1967 I (IN) (1)	2 1975 I (IN) (1)	3 DELTA I (IN) (1)	4 V (OUT) (6-1)	5 V (OUT) (6-1)	6 DELTA V (OUT) (6-1)	7 V (OUT) (7-1)	8 1975 V (OUT) (7-1)	9 DELTA V (OUT) (7-1)
00211201	1.156E-04	1.250E-04	-9.400E-06	0.1327	0.2290	-4.630E-02	0.1355	0.1400	-4.600E-03
00211202	1.079E-04	1.150E-04	-7.100E-06	0.1216	0.1340	-1.240E-02	0.1029	0.1050	-2.200E-03
00211206	1.174E-04	1.200E-04	-1.160E-05	0.1731	0.1710	2.100E-03	0.1277	0.1310	-3.300E-03
00211209	1.115E-04	1.200E-04	-8.500E-06	0.1220	0.1190	-1.700E-02	0.1063	0.1090	-2.200E-03
00211213	1.127E-04	1.190E-04	-5.300E-06	0.1598	0.1703	-1.020E-02	0.1293	0.1280	-4.300E-03
00211219	1.120E-04	1.210E-04	-9.000E-06	0.1181	0.1240	-5.900E-03	9.860E-02	0.1000	-1.400E-03
00211220	1.135E-04	1.220E-04	-9.400E-06	0.1757	0.2320	-3.630E-02	0.1457	0.1510	-5.300E-03
00211221	1.089E-04	1.170E-04	-9.100E-06	0.1198	0.1250	-6.200E-03	9.860E-02	0.1000	-1.400E-03
00211222	1.134E-04	1.220E-04	-8.600E-06	0.1320	0.1460	-1.400E-02	0.1101	0.1110	-2.900E-03
00211223	1.081E-04	1.160E-04	-7.900E-06	0.1332	0.1420	-8.800E-03	0.1095	0.1120	-2.500E-03
00211224	1.112E-04	1.170E-04	-5.800E-06	0.1224	0.1320	-7.600E-03	0.1033	0.1063	-3.000E-03
00211225	1.181E-04	1.260E-04	-7.900E-06	0.1592	0.1750	-1.500E-02	0.1265	0.1300	-3.500E-03
00211226	1.129E-04	1.220E-04	-9.300E-06	0.1624	0.1760	-1.300E-02	0.1293	0.1310	-3.500E-03
00211227	1.049E-04	1.130E-04	-8.400E-06	0.1163	0.1220	-5.700E-03	9.640E-02	9.700E-02	-6.000E-03
00211228	1.071E-04	1.150E-04	-7.900E-06	0.1169	0.1240	-9.100E-03	9.900E-02	0.1010	-2.000E-03
00211229	1.065E-04	1.150E-04	-8.500E-06	0.1132	0.1330	-1.980E-02	0.1045	0.1070	-2.700E-03
00211230	1.037E-04	1.160E-04	-7.300E-06	0.1201	0.1250	-4.900E-03	9.800E-02	0.1010	-3.000E-03
00211231	1.126E-04	1.210E-04	-8.400E-06	0.1645	0.1510	-6.500E-03	0.1142	0.1170	-2.800E-03
00211232	1.234E-04	1.290E-04	-8.600E-06	0.1861	0.2520	-6.900E-02	0.1395	0.1440	-4.500E-03
00211233	1.054E-04	1.160E-04	-1.050E-05	0.1174	0.1210	-3.400E-03	9.800E-02	0.1000	-2.000E-03
00211236	1.121E-04	1.210E-04	-8.900E-06	0.1272	0.1330	-5.800E-03	0.1054	0.1080	-2.600E-03
00211237	1.129E-04	1.190E-04	-7.900E-06	0.1603	0.1690	-7.700E-03	0.1215	0.1260	-4.500E-03
00211268	1.083E-04	1.170E-04	-8.200E-06	0.1646	0.1560	-1.140E-02	0.1192	0.1220	-2.800E-03
00211289	1.172E-04	1.250E-04	-7.900E-06	0.1598	0.1800	-2.200E-02	0.1259	0.1300	-4.000E-03
00211290	1.213E-04	1.270E-04	-5.700E-06	0.1720	0.1940	-2.600E-02	0.1320	0.1370	-5.000E-03
00211291	1.046E-04	1.110E-04	-6.400E-06	0.1071	0.1090	-6.900E-03	8.870E-02	4.900E-02	-3.000E-03
00211292	1.126E-04	1.210E-04	-8.400E-06	0.1461	0.1690	-2.900E-02	0.1243	0.1270	-3.000E-03
00211293	1.136E-04	1.260E-04	-1.240E-05	0.1689	0.1590	-9.900E-03	0.1223	0.1250	-3.000E-03
00211294	1.078E-04	1.170E-04	-9.200E-06	0.1055	0.1150	-9.900E-03	9.230E-02	9.300E-02	-7.000E-03
00211297	1.120E-04	1.200E-04	-8.000E-06	0.1469	0.1550	-8.100E-03	0.1170	0.1210	-4.000E-03
00211298	1.081E-04	1.170E-04	-8.900E-06	0.1340	0.1550	-2.100E-02	0.1170	0.1200	-3.000E-03
00211299	1.104E-04	1.210E-04	-1.140E-05	0.1455	0.1420	-2.600E-03	0.1131	0.1150	-2.900E-03
00211301	1.179E-04	1.240E-04	-6.100E-06	0.1625	0.1870	-2.450E-02	0.1287	0.1340	-5.300E-03
00211303	1.177E-04	1.260E-04	-9.100E-06	0.1516	0.1640	-1.240E-02	0.1209	0.1250	-4.200E-03
00211304	1.082E-04	1.170E-04	-8.400E-06	0.1549	0.1670	-7.100E-03	0.1243	0.1270	-2.700E-03
00211361	1.059E-04	1.150E-04	-9.100E-06	0.1136	0.1060	-7.600E-03	8.620E-02	8.700E-02	-8.000E-04
00211363	1.181E-04	1.290E-04	-1.190E-05	0.1953	0.2370	-5.170E-02	0.1420	0.1460	-4.000E-03
00211365	1.058E-04	1.150E-04	-9.100E-06	0.1275	0.1400	-1.250E-02	0.1197	0.1120	-3.300E-03
00211367	1.090E-04	1.170E-04	-8.000E-06	0.1952	0.2590	-9.200E-02	0.1155	0.1190	-2.500E-03
00211368	1.140E-04	1.230E-04	-9.000E-06	0.1418	0.1510	-9.200E-03	0.1175	0.1200	-2.500E-03
00211374	1.041E-04	1.160E-04	-7.700E-06	0.1121	0.1160	-3.600E-03	9.190E-02	9.300E-02	-1.100E-03
00211375	1.143E-04	1.230E-04	-8.200E-06	0.1369	0.1520	-1.110E-02	0.1135	0.1170	-3.500E-03
00211376	1.107E-04	1.190E-04	-8.300E-06	0.1423	0.1560	-1.570E-02	0.1177	0.1210	-3.300E-03
00211377	1.153E-04	1.100E-04	-1.450E-05	0.1178	0.1820	-9.400E-03	0.1393	0.1370	-1.700E-03
00211378	1.184E-04	1.270E-04	-9.600E-06	0.1563	0.1710	-1.470E-02	0.1237	0.1260	-4.100E-03
00211433	1.058E-04	1.130E-04	-7.200E-06	0.1168	0.1260	-9.200E-03	9.830E-02	0.1010	-2.700E-03
00211434	1.163E-04	1.250E-04	-9.200E-06	0.1584	0.1790	-1.440E-02	0.1265	0.1310	-4.400E-03
00211436	1.058E-04	1.160E-04	-1.020E-05	0.1571	0.1690	-2.090E-02	0.1315	0.1350	-3.400E-03
00211443	1.191E-04	1.270E-04	-7.700E-06	0.1524	0.1660	-1.160E-02	0.1279	0.1270	-4.100E-03

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con'ed)

18 SEP 75

FILE NAME: SC2221AB		TITLE: DEVICE: EXPANDER		MOTOROLA PART NO.: SC2221		BOEING PART NO.: 27-10333		18 SEP 75	
SERIAL	1 1967 1 (1M) (1)	2 1975 1 (1M) (1)	3 DELTA 1 (1M) (1)	4 1967 V(OUT) (6-1)	5 1975 V(OUT) (6-1)	6 DELTA V(OUT) (6-1)	7 1967 V (OL) (7-1)	8 1975 V (OL) (7-1)	9 DELTA V-(OL) (7-1)
00211444	1.082E-04	1.160E-04	-7.300E-06	0.1633	0.1940	-2.570E-02	0.1309	0.1350	-4.200E-03
00211445	1.118E-04	1.200E-04	-8.200E-06	0.1546	0.1730	-1.840E-02	0.1257	0.1300	-4.300E-03
00211446	1.148E-04	1.220E-04	-7.200E-06	0.1571	0.1880	-3.090E-02	0.1274	0.1320	-4.600E-03

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TABLE 5-VII. TEST RESULTS FOR EXPANDER (Continued)

FILE NAME: SC2221A8		TITLE: DEVICE: EXPANDER		MOTOROLA PART NO.: SC2221		GOING PART NO.: 27-13333		18 SEP 75	
SERIAL	10 1967 V (OL) (6-1)	11 1975 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 I (CEX) (7)	14 1975 I (CEX) (7)	15 DELTA I (CEX) (7)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00210006	8.310E-02	8.200E-02	1.100E-03	2.000E-06	1.595E-06	4.020E-07	7.000E-09	1.000E-09	6.000E-09
00210007	9.940E-02	0.1010	-1.600E-03	6.500E-07	6.093E-07	4.200E-08	6.000E-09	1.000E-09	5.000E-09
00210008	0.1145	0.1170	-2.500E-03	4.100E-07	3.515E-07	5.700E-08	6.000E-09	1.000E-09	5.000E-09
00210009	0.1170	0.1200	-3.000E-03	5.000E-07	4.500E-07	5.000E-08	6.000E-09	1.000E-09	5.000E-09
00210010	0.1227	0.1273	-4.300E-03	4.400E-07	3.170E-07	1.230E-07	5.000E-09	1.000E-09	4.000E-09
00210011	0.1101	0.1130	-2.900E-03	9.200E-07	5.233E-07	3.920E-07	5.000E-09	1.000E-09	4.000E-09
00210012	9.300E-02	9.400E-02	-1.000E-03	1.520E-06	9.670E-07	5.530E-07	6.000E-09	1.000E-09	5.000E-09
00210013	0.1158	0.1190	-3.200E-03	7.200E-07	4.280E-07	2.920E-07	6.000E-09	1.000E-09	5.000E-09
00210014	0.1185	0.1210	-2.500E-03	4.100E-07	3.530E-07	5.700E-08	6.000E-09	1.000E-09	5.000E-09
00210015	9.030E-02	9.000E-02	3.000E-04	1.300E-06	1.153E-06	1.153E-06	6.000E-09	1.000E-09	5.000E-09
00210016	0.1145	0.1160	-1.500E-03	8.500E-07	8.830E-07	-3.300E-08	1.000E-09	1.000E-09	0.0
00210017	0.1193	0.1200	-1.700E-03	3.900E-07	3.770E-07	1.300E-08	5.000E-09	1.000E-09	4.000E-09
00210018	0.1143	0.1160	-1.700E-03	4.700E-07	4.430E-07	2.200E-08	5.000E-09	1.000E-09	4.000E-09
00210019	0.1252	0.1290	-3.800E-03	4.000E-07	3.170E-07	8.300E-08	6.000E-09	1.000E-09	5.000E-09
00210020	0.1174	0.1200	-2.800E-03	4.400E-07	3.773E-07	5.100E-08	6.000E-09	1.000E-09	5.000E-09
00210021	0.1072	0.1100	-2.800E-03	5.300E-07	4.090E-07	1.420E-07	6.000E-09	1.000E-09	5.000E-09
00210022	0.1174	0.1210	-2.600E-03	5.200E-07	3.830E-07	1.370E-07	1.000E-09	1.000E-09	9.000E-09
00210023	0.1230	0.1270	-5.000E-03	3.800E-07	2.770E-07	1.030E-07	7.000E-09	1.000E-09	6.000E-09
00210024	9.800E-02	0.1200	-2.000E-03	8.500E-07	6.270E-07	2.230E-07	5.000E-09	1.000E-09	4.000E-09
00210025	0.1210	0.1240	-3.000E-03	4.100E-07	2.970E-07	1.130E-07	5.000E-09	1.000E-09	4.000E-09
00210026	0.1277	0.1330	-5.300E-03	4.200E-07	2.600E-07	1.210E-07	7.000E-09	1.000E-09	6.000E-09
00210027	0.1143	0.1180	-3.700E-03	3.740E-06	1.593E-06	2.142E-06	9.000E-09	5.000E-09	4.000E-09
00210028	0.1052	0.1080	-2.800E-03	5.800E-07	4.000E-07	1.800E-07	9.000E-09	1.000E-09	4.000E-09
00210029	0.1160	0.1190	-3.000E-03	4.700E-07	3.270E-07	1.430E-07	7.000E-09	1.000E-09	6.000E-09
00210030	0.1123	0.1150	-2.700E-03	5.400E-07	4.430E-07	9.700E-08	7.000E-09	1.000E-09	6.000E-09
00210031	0.1195	0.1220	-2.500E-03	4.300E-07	3.170E-07	1.130E-07	7.000E-09	1.000E-09	6.000E-09
00210032	0.1260	0.1290	-3.000E-03	3.900E-07	3.370E-07	5.300E-08	6.000E-09	1.000E-09	5.000E-09
00210033	0.1183	0.1210	-2.700E-03	4.400E-07	3.790E-07	6.100E-08	9.000E-09	1.000E-09	8.000E-09
00210034	0.1167	0.1200	-3.300E-03	4.100E-07	3.270E-07	8.300E-08	7.000E-09	1.000E-09	6.000E-09
00210035	0.1216	0.1250	-3.400E-03	4.200E-07	3.570E-07	4.300E-08	6.000E-09	1.000E-09	5.000E-09
00210036	0.1092	0.1110	-1.800E-03	6.100E-07	5.040E-07	1.260E-07	7.000E-09	1.000E-09	6.000E-09
00210037	0.1216	0.1260	-4.400E-03	5.300E-07	3.670E-07	1.330E-07	9.000E-09	1.000E-09	7.000E-09
00210038	0.1022	0.1050	-2.800E-03	7.300E-07	6.280E-07	1.020E-07	5.000E-09	1.000E-09	4.000E-09
00210039	0.1097	0.1120	-2.300E-03	4.700E-07	3.570E-07	1.130E-07	6.000E-09	1.000E-09	5.000E-09
00210040	0.1186	0.1220	-3.600E-03	5.400E-07	4.290E-07	2.110E-07	7.000E-09	1.000E-09	6.000E-09
00210041	0.1083	0.1110	-2.700E-03	5.300E-07	4.000E-07	1.300E-07	5.000E-09	1.000E-09	4.000E-09
00210042	0.1094	0.1120	-2.600E-03	5.500E-07	4.000E-07	1.500E-07	1.000E-09	1.000E-09	9.000E-09
00210043	0.1248	0.1280	-3.200E-03	4.800E-07	3.510E-07	1.270E-07	8.000E-09	1.000E-09	7.000E-09
00210044	0.1276	0.1310	-3.400E-03	4.100E-07	2.970E-07	1.110E-07	9.000E-09	1.000E-09	8.000E-09
00210045	0.1025	0.1050	-2.500E-03	7.300E-07	5.940E-07	1.420E-07	5.000E-09	1.000E-09	4.000E-09
00210046	0.1158	0.1180	-2.200E-03	4.900E-07	3.670E-07	1.230E-07	7.000E-09	1.000E-09	6.000E-09
00210047	0.1164	0.1190	-2.600E-03	4.400E-07	3.370E-07	1.030E-07	9.000E-09	1.000E-09	8.000E-09
00210048	9.340E-02	9.500E-02	-1.600E-03	1.660E-06	1.177E-06	6.300E-07	6.000E-09	1.000E-09	5.000E-09
00210049	0.1134	0.1150	-1.600E-03	4.900E-07	3.670E-07	1.230E-07	8.000E-09	1.000E-09	7.000E-09
00210050	0.1075	0.1100	-2.500E-03	6.100E-07	4.430E-07	1.620E-07	7.000E-09	1.000E-09	6.000E-09
00210051	0.1084	0.1110	-2.400E-03	5.400E-07	4.080E-07	1.720E-07	8.000E-09	1.000E-09	7.000E-09
00210052	0.1120	0.1140	-2.000E-03	4.600E-07	2.970E-07	1.630E-07	1.100E-09	1.000E-09	0.0
00210053	0.1130	0.1160	-3.000E-03	4.900E-07	3.270E-07	1.530E-07	9.000E-09	1.000E-09	4.000E-09
00210054	0.1174	0.1210	-3.200E-03	5.300E-07	3.930E-07	1.470E-07	6.000E-09	1.000E-09	5.000E-09
00210055	9.330E-02	9.400E-02	-7.000E-04	8.400E-07	6.030E-07	2.570E-07	7.000E-09	1.000E-09	6.000E-09

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TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con' wed)

16 SEP 75

27-10333

SC2221

ROEING PART NO.:

EXPANDER

TITLE: DEVICE:

FILE NAME: SC2221AR

SERIAL	10 1967 V (DL) (6-1)	11 1975 V (DL) (6-1)	12 DELTA V (DL) (6-1)	13 1967 I (CEX) (7)	14 1975 I (CEX) (7)	15 DELTA I (CEX) (7)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (PT)
00210331	0.1051	0.1070	-1.900E-03	6.700E-07	5.280E-07	1.420E-07	7.000E-09	1.000E-09	6.000E-09
00210332	0.1108	0.1130	-2.200E-03	4.500E-07	3.770E-07	7.300E-08	9.000E-09	1.000E-09	8.000E-09
00210335	0.1104	0.1120	-1.400E-03	5.000E-07	4.040E-07	9.200E-08	8.000E-09	1.000E-09	7.000E-09
00210336	9.790E-02	0.1000	-2.100E-03	9.800E-07	7.840E-07	1.920E-07	7.000E-09	1.000E-09	6.000E-09
00210338	8.940E-02	9.000E-02	-2.200E-03	1.240E-06	1.040E-06	1.880E-07	4.000E-09	1.000E-09	3.000E-09
00210399	9.740E-02	9.800E-02	-6.000E-04	9.000E-07	6.940E-07	2.060E-07	7.000E-09	1.000E-09	6.000E-09
00210401	9.580E-02	9.700E-02	-1.200E-03	8.300E-07	6.380E-07	1.920E-07	6.000E-09	1.000E-09	5.000E-09
00210402	0.1141	0.1160	-1.900E-03	4.400E-07	3.070E-07	1.330E-07	1.500E-09	7.000E-09	6.000E-09
00210403	0.1122	0.1150	-2.800E-03	4.000E-07	2.970E-07	1.030E-07	7.000E-09	1.000E-09	6.000E-09
00210405	8.510E-02	8.500E-02	1.000E-04	2.180E-06	1.527E-06	6.330E-07	6.000E-09	1.000E-09	5.000E-09
00210406	0.1215	0.1242	-2.500E-03	4.600E-07	3.970E-07	6.300E-08	6.000E-09	1.000E-09	5.000E-09
00210407	0.1169	0.1200	-3.100E-03	2.750E-06	1.594E-06	1.152E-06	7.000E-09	1.000E-09	6.000E-09
00210409	9.050E-02	9.000E-02	5.000E-04	1.830E-06	1.591E-06	2.720E-07	5.000E-09	1.000E-09	4.000E-09
00210411	0.1112	0.1130	-1.800E-03	5.000E-07	4.040E-07	9.200E-08	9.000E-09	1.000E-09	7.000E-09
00210412	0.1165	0.1190	-2.500E-03	4.200E-07	3.270E-07	9.200E-08	3.000E-09	1.000E-09	2.000E-09
00210414	9.900E-02	9.800E-02	0.0	1.130E-06	7.990E-07	3.310E-07	1.700E-08	1.100E-08	6.000E-09
00210470	8.540E-02	8.600E-02	-5.000E-04	1.850E-06	1.667E-06	3.130E-07	5.000E-09	1.000E-09	7.000E-09
00210471	9.490E-02	9.600E-02	-1.100E-03	1.100E-06	8.870E-07	2.130E-07	8.000E-09	1.000E-09	7.000E-09
00210474	9.850E-02	0.1000	-1.500E-03	9.500E-07	9.990E-07	-4.000E-07	8.000E-09	1.000E-09	7.000E-09
00210475	0.1281	0.1310	-2.900E-03	4.100E-07	3.090E-07	1.010E-07	4.000E-09	1.000E-09	7.000E-09
00210476	0.1212	0.1240	-2.800E-03	3.800E-07	2.990E-07	8.100E-08	1.000E-09	1.000E-09	7.000E-09
00210477	0.1033	0.1050	-1.700E-03	8.100E-07	6.300E-07	1.800E-07	1.000E-09	1.000E-09	7.000E-09
00210479	8.490E-02	8.500E-02	-1.000E-04	1.540E-06	1.544E-06	1.600E-08	3.000E-09	1.000E-09	2.000E-09
00210481	9.160E-02	9.200E-02	-4.000E-04	1.330E-06	1.334E-06	1.600E-08	3.000E-09	1.000E-09	2.000E-09
00210483	0.1263	0.1290	-2.700E-03	4.000E-07	3.170E-07	8.300E-08	9.000E-09	1.000E-09	8.000E-09
00210484	9.190E-02	9.300E-02	-1.100E-03	1.010E-06	8.190E-07	1.910E-07	5.000E-09	1.000E-09	5.000E-09
00210485	0.1151	0.1180	-2.900E-03	5.200E-07	4.180E-07	1.020E-07	5.000E-09	1.000E-09	5.000E-09
00210541	8.620E-02	8.700E-02	-8.000E-04	1.390E-06	1.147E-06	2.430E-07	8.000E-09	1.000E-09	5.000E-09
00210542	0.1195	0.1210	-1.500E-03	4.400E-07	3.430E-07	9.000E-08	6.000E-09	1.000E-09	5.000E-09
00210543	0.1327	0.1350	-2.300E-03	3.600E-07	3.670E-07	7.500E-08	7.000E-09	1.000E-09	6.000E-09
00210544	0.1187	0.1210	-2.300E-03	4.600E-07	3.940E-07	6.200E-08	1.000E-09	1.000E-09	6.000E-09
00210545	0.1053	0.1080	-2.700E-03	6.900E-07	6.190E-07	7.700E-08	1.000E-09	1.000E-09	6.000E-09
00210546	0.1005	0.1030	-2.500E-03	8.400E-07	6.740E-07	1.620E-07	1.000E-09	1.000E-09	8.000E-09
00210547	8.600E-02	8.600E-02	0.0	2.190E-06	1.593E-06	5.620E-07	7.000E-09	1.000E-09	6.000E-09
00210548	0.1006	0.1020	-1.400E-03	7.700E-07	6.670E-07	9.700E-08	7.000E-09	1.000E-09	6.000E-09
00210549	9.900E-02	0.1310	-2.000E-03	1.570E-06	1.204E-06	3.620E-07	9.000E-09	1.000E-09	2.000E-09
00210550	0.1012	0.1030	-1.800E-03	1.170E-06	9.780E-07	1.920E-07	8.000E-09	1.000E-09	7.000E-09
00210551	0.1376	0.1400	-3.000E-03	3.800E-07	3.070E-07	7.300E-08	9.000E-09	1.000E-09	8.000E-09
00210552	9.760E-02	9.400E-02	3.400E-03	9.900E-07	1.067E-06	-5.700E-08	7.000E-09	1.000E-09	6.000E-09
00210553	9.420E-02	0.1070	-1.200E-02	8.800E-07	1.097E-06	-2.170E-07	8.000E-09	1.000E-09	7.000E-09
00210554	0.1392	9.500E-02	4.430E-02	3.100E-07	6.830E-07	-3.780E-07	1.000E-09	1.000E-09	9.000E-09
00210555	0.1055	0.1050	5.000E-04	7.700E-07	5.830E-07	1.820E-07	1.000E-09	1.000E-09	9.000E-09
00210556	9.410E-02	0.1000	-5.900E-03	9.000E-07	7.780E-07	1.220E-07	1.000E-09	1.000E-09	2.000E-09
00210557	0.1076	9.600E-02	1.660E-02	8.700E-07	6.430E-07	-7.240E-07	1.000E-09	1.000E-09	7.000E-09
00210558	9.850E-02	0.1030	-8.500E-03	9.600E-07	1.594E-06	7.190E-07	1.000E-09	1.000E-09	9.000E-09
00210614	8.690E-02	8.700E-02	-9.590E-05	2.380E-06	1.994E-06	7.190E-07	1.000E-09	1.000E-09	9.000E-09
00210615	0.1015	0.1040	-2.500E-03	8.500E-07	6.080E-07	2.420E-07	9.000E-09	1.000E-09	8.000E-09
00210616	9.030E-02	9.100E-02	7.000E-04	2.390E-06	1.547E-06	8.110E-07	9.000E-09	1.000E-09	8.000E-09
00210619	8.610E-02	8.600E-02	1.000E-04	2.100E-06	1.596E-06	5.020E-07	7.000E-09	1.000E-09	6.000E-09
00210620	9.150E-02	9.200E-02	-5.000E-04	5.170E-06	1.594E-06	3.420E-07	6.000E-09	1.000E-09	5.000E-09

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TABLE 5-VII. TEST RESULTS FOR EXPANDER (Cont.)

FILE NAME: SC221AR		TITLE: DEVICE: EXPANDER		MOTOROLA PART NO.: SC2221		ROEING PART NO.: 27-13333		18 SEP 75	
SERIAL	10 V (OL) (6-1)	11 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1(C5X) (7)	14 1(C5X) (7)	15 DELTA 1(C5X) (7)	16 1967 1 (RT)	17 1975 1 (RT)	18 DELTA 1 (RT)
00210621	8.60E-02	8.70E-02	-9.99E-05	1.71E-06	1.31E-06	3.80E-07	3.00E-09	1.00E-09	2.00E-09
00210622	C.1088	0.1110	-2.20E-03	6.50E-07	4.50E-07	1.92E-07	6.00E-09	1.00E-09	5.00E-09
00210623	9.94E-02	0.1310	-1.60E-03	9.40E-07	1.09E-06	-1.57E-07	2.00E-08	1.10E-08	9.00E-09
00210624	9.50E-02	9.60E-02	-4.00E-04	9.40E-07	7.94E-07	1.46E-07	3.60E-09	1.20E-08	2.40E-08
00210625	9.81E-02	9.80E-02	9.96E-05	1.00E-06	9.60E-07	5.70E-08	5.00E-09	1.00E-09	5.00E-09
00210626	0.1175	0.1190	-1.50E-03	5.00E-07	6.00E-07	-1.00E-07	4.00E-09	1.00E-09	3.00E-09
00210628	0.1001	0.1010	-9.00E-04	8.40E-07	9.47E-07	-1.07E-07	2.00E-08	1.20E-08	8.00E-09
00210629	9.77E-02	9.80E-02	-3.00E-04	9.90E-07	8.27E-07	1.63E-07	3.00E-09	1.00E-09	3.00E-09
00210630	0.1105	0.1120	-1.50E-03	5.90E-07	4.84E-07	1.07E-07	7.00E-09	1.00E-09	6.00E-09
00210635	9.27E-02	9.30E-02	-3.00E-04	1.00E-06	9.53E-07	1.47E-07	6.00E-09	1.00E-09	5.00E-09
00210637	9.47E-02	9.50E-02	-3.00E-04	9.70E-07	7.90E-07	1.71E-07	7.00E-09	1.00E-09	6.00E-09
00210639	0.1392	0.1410	-1.80E-03	3.40E-07	4.68E-07	-6.80E-08	7.00E-09	1.00E-09	6.00E-09
00210641	8.81E-02	8.80E-02	9.96E-05	1.27E-06	1.31E-06	-8.80E-08	6.00E-09	1.00E-09	5.00E-09
00210642	9.94E-02	0.1020	-2.10E-03	8.10E-07	6.28E-07	1.42E-07	7.00E-09	1.00E-09	6.00E-09
00210646	0.1121	0.1140	-1.90E-03	5.90E-07	4.58E-07	1.22E-07	6.00E-09	1.00E-09	5.00E-09
00210647	9.59E-02	9.70E-02	-1.10E-03	1.40E-06	1.00E-06	4.40E-07	6.00E-09	1.00E-09	5.00E-09
00210648	0.1157	0.1190	-3.30E-03	5.70E-07	4.24E-07	1.46E-07	1.10E-08	5.00E-09	6.00E-09
00210650	8.14E-02	8.00E-02	1.40E-03	2.13E-06	1.59E-06	5.20E-07	5.00E-09	1.00E-09	4.00E-09
00210701	9.59E-02	9.70E-02	-1.10E-03	1.10E-06	9.17E-07	2.43E-07	6.00E-09	1.00E-09	5.00E-09
00210702	0.1225	0.1250	-2.50E-03	4.20E-07	3.34E-07	7.40E-08	7.00E-09	1.00E-09	6.00E-09
00210709	0.1145	0.1160	-1.50E-03	5.00E-07	7.40E-07	-2.40E-07	6.00E-09	1.00E-09	5.00E-09
00210711	0.1284	0.1310	-2.60E-03	4.00E-07	4.00E-07	0.0	6.00E-09	1.00E-09	5.00E-09
00210712	0.1267	0.1300	-3.30E-03	6.00E-07	4.58E-07	1.42E-07	6.00E-09	5.00E-09	1.00E-09
00210713	0.1074	0.1090	-1.60E-03	6.80E-07	4.78E-07	2.02E-07	6.00E-09	1.00E-09	5.00E-09
00210714	0.1394	0.1410	-2.00E-03	4.30E-07	5.00E-07	-7.80E-08	9.00E-09	1.00E-09	8.00E-09
00210715	0.1164	0.1190	-2.40E-03	5.40E-07	4.24E-07	1.16E-07	1.30E-08	5.00E-09	5.00E-09
00210716	0.1216	0.1220	1.96E-02	5.80E-07	6.40E-07	-6.40E-08	6.00E-09	1.00E-09	5.00E-09
00210717	0.1152	0.1170	-1.80E-03	4.00E-07	4.00E-07	6.00E-08	7.00E-09	1.00E-09	6.00E-09
00210718	0.1359	0.1390	-3.10E-03	2.90E-07	2.17E-07	7.30E-08	7.00E-09	1.00E-09	6.00E-09
00210719	0.1054	0.1090	-2.60E-03	6.20E-07	4.68E-07	1.52E-07	1.20E-08	9.00E-09	3.00E-09
00210720	0.1242	0.1280	-3.80E-03	4.50E-07	3.33E-07	1.17E-07	6.00E-09	1.00E-09	5.00E-09
00210721	0.1139	0.1160	-2.10E-03	4.90E-07	3.59E-07	1.31E-07	6.00E-09	1.00E-09	7.00E-09
00210725	0.1125	0.1150	-2.50E-03	5.00E-07	4.34E-07	1.06E-07	6.00E-09	1.00E-09	5.00E-09
00210740	0.1264	0.1290	-2.60E-03	5.40E-07	3.73E-07	1.57E-07	8.00E-09	1.00E-09	7.00E-09
00210842	0.1079	0.1110	-3.10E-03	6.50E-07	4.64E-07	1.86E-07	6.00E-09	1.00E-09	5.00E-09
00210843	0.1162	0.1190	-2.90E-03	4.70E-07	3.67E-07	1.01E-07	1.60E-08	1.00E-09	5.00E-09
00210846	0.1204	0.1230	-2.60E-03	5.90E-07	4.64E-07	1.26E-07	7.00E-09	1.00E-09	6.00E-09
00210847	0.1340	0.1370	-3.00E-03	3.30E-07	2.37E-07	9.30E-08	7.00E-09	1.00E-09	6.00E-09
00210849	0.1200	0.1230	-2.00E-03	6.10E-07	4.94E-07	1.62E-07	5.00E-09	1.00E-09	4.00E-09
00210850	0.1094	0.1120	-2.60E-03	6.50E-07	4.94E-07	1.56E-07	9.00E-09	1.00E-09	8.00E-09
00210852	0.1377	0.1420	-4.30E-03	3.00E-07	2.17E-07	4.30E-08	8.00E-09	1.00E-09	7.00E-09
00210853	0.1125	0.1150	-2.50E-03	5.70E-07	4.38E-07	1.32E-07	6.00E-09	1.00E-09	5.00E-09
00210854	0.1331	0.1370	-3.90E-03	3.70E-07	2.43E-07	7.70E-08	6.00E-09	1.00E-09	5.00E-09
00210855	8.14E-02	8.20E-02	-6.00E-04	2.40E-06	1.59E-06	1.03E-06	5.00E-09	1.00E-09	4.00E-09
00210856	9.02E-02	9.10E-02	-8.70E-04	1.50E-06	1.37E-06	4.01E-07	5.00E-09	1.00E-09	5.00E-09
00210857	0.1173	0.1190	-1.70E-03	5.00E-07	3.37E-07	1.13E-07	7.00E-09	1.00E-09	6.00E-09
00210858	0.1152	0.1170	-1.80E-03	7.20E-07	4.18E-07	7.20E-08	1.60E-09	1.00E-09	6.00E-09
00210913	9.94E-02	0.1310	-1.60E-03	9.40E-07	6.34E-07	1.02E-07	6.00E-09	1.00E-09	5.00E-09
00210914	0.1140	0.1200	-2.00E-03	4.00E-07	3.59E-07	1.31E-07	7.00E-09	1.00E-09	6.00E-09
00210915	0.1165	0.1190	-2.50E-03	5.40E-07	4.00E-07	1.40E-07	7.00E-09	1.00E-09	6.00E-09

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TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con. red)

FILE NAME: SC2221AB		TITLE: DEVICE: EXPANDER		MOTOROLA PART NO.: SC2221		BOEING PART NO.: 27-10333		18 SEP 75	
SERIAL	10 1967 V (OL) (6-1)	11 1975 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 I (EX) (7)	14 1975 I (EX) (7)	15 DELTA I (EX) (7)	16 1967 I (INT)	17 1975 I (INT)	18 DELTA I (INT)
00210914	9.120E-02	9.100E-02	2.000E-04	2.090E-06	1.590E-06	4.920E-07	5.000E-09	1.000E-09	4.000E-09
00210917	0.1117	0.1140	-2.300E-03	6.200E-07	4.370E-07	1.830E-07	7.000E-09	1.000E-09	6.000E-09
00210919	0.1287	0.1310	-2.300E-03	4.200E-07	3.270E-07	1.030E-07	6.000E-09	1.000E-09	5.000E-09
00210921	0.1140	0.1170	-3.000E-03	5.500E-07	4.14E-07	1.320E-07	5.000E-09	1.000E-09	5.000E-09
00210922	0.1177	0.1200	-2.300E-03	5.000E-07	3.630E-07	1.370E-07	6.000E-09	1.000E-09	5.000E-09
00210923	0.1451	0.1500	-4.900E-03	2.700E-07	1.890E-07	4.200E-08	7.000E-09	1.000E-09	6.000E-09
00210924	0.1225	0.1250	-2.500E-03	3.000E-08	4.290E-07	-3.940E-07	8.000E-09	1.000E-09	7.000E-09
00210925	0.1353	0.1390	-3.700E-03	3.700E-07	2.970E-07	7.300E-08	1.000E-09	1.000E-09	9.000E-09
00210926	0.1135	0.1160	-2.500E-03	5.900E-07	4.020E-07	1.820E-07	6.000E-09	1.000E-09	5.000E-09
00210927	0.1155	0.1180	-2.500E-03	5.000E-07	3.770E-07	1.730E-07	6.000E-09	1.000E-09	5.000E-09
00210928	0.1046	0.1070	-2.400E-03	7.700E-07	5.640E-07	2.760E-07	8.000E-09	1.000E-09	7.000E-09
00210929	0.1166	0.1190	-2.400E-03	5.500E-07	3.830E-07	1.670E-07	1.200E-09	1.000E-09	-2.000E-09
00210930	0.1354	0.1390	-3.600E-03	3.000E-07	2.170E-07	8.700E-08	9.000E-09	1.000E-09	8.000E-09
00210931	0.1143	0.1180	-3.200E-03	5.100E-07	3.570E-07	1.430E-07	7.000E-09	1.000E-09	6.000E-09
00210934	0.1425	0.1460	-3.500E-03	2.700E-07	2.130E-07	5.700E-08	6.000E-09	1.000E-09	5.000E-09
00210936	0.1200	0.1220	-2.000E-03	4.400E-07	3.630E-07	7.700E-08	8.000E-09	1.000E-09	7.000E-09
00210938	0.1172	0.1190	-1.800E-03	4.300E-07	4.780E-07	-4.800E-08	6.000E-09	1.000E-09	5.000E-09
00210939	0.1164	0.1190	-2.600E-03	5.700E-07	4.080E-07	1.620E-07	7.000E-09	1.000E-09	6.000E-09
00210942	8.350E-02	8.400E-02	-5.000E-04	2.430E-06	1.500E-06	8.320E-07	6.000E-09	1.000E-09	5.000E-09
00210943	0.1182	0.1190	-8.000E-04	4.700E-07	5.280E-07	-3.800E-08	8.000E-09	1.000E-09	7.000E-09
00210944	0.1114	0.1130	-1.600E-03	6.400E-07	4.880E-07	1.720E-07	7.000E-09	1.000E-09	8.000E-09
00210949	0.1260	0.1290	-3.000E-03	3.800E-07	4.190E-07	-1.200E-08	7.000E-09	1.000E-09	6.000E-09
00210953	0.1310	0.1350	-4.000E-03	3.000E-07	2.420E-07	5.900E-08	6.000E-09	1.000E-09	5.000E-09
00210954	9.690E-02	9.800E-02	-1.100E-03	1.030E-06	7.080E-07	3.220E-07	6.000E-09	1.000E-09	5.000E-09
00210955	0.1024	0.1050	-2.200E-03	6.200E-07	5.840E-07	-1.740E-07	6.000E-09	1.000E-09	5.000E-09
00210959	0.1310	0.1310	-2.000E-02	3.800E-07	5.540E-07	-1.740E-07	7.000E-09	1.000E-09	6.000E-09
00211003	0.1282	0.1300	-1.800E-03	3.100E-07	3.270E-07	-1.700E-08	6.000E-09	1.000E-09	5.000E-09
00211010	9.410E-02	9.460E-02	1.000E-04	7.600E-07	7.970E-07	-1.700E-08	5.000E-09	1.000E-09	4.000E-09
00211022	9.470E-02	9.500E-02	-3.000E-04	7.900E-07	7.990E-07	-9.000E-09	7.000E-09	1.000E-09	6.000E-09
00211025	9.700E-02	9.700E-02	0.0	8.500E-07	9.730E-07	-1.730E-07	8.000E-09	2.000E-09	6.000E-09
00211026	0.1072	0.1100	-2.800E-03	5.600E-07	4.030E-07	1.400E-07	5.000E-09	1.000E-09	4.000E-09
00211027	0.1314	0.1360	-4.400E-03	3.100E-07	2.070E-07	1.030E-07	7.000E-09	1.000E-09	6.000E-09
00211028	0.1345	0.1390	-4.500E-03	2.900E-07	2.070E-07	8.700E-08	6.000E-09	1.000E-09	4.000E-09
00211031	9.230E-02	9.300E-02	-7.000E-04	1.180E-06	7.990E-07	3.910E-07	7.000E-09	1.000E-09	4.000E-09
00211032	8.680E-02	8.700E-02	-2.000E-04	1.450E-06	1.190E-06	2.510E-07	8.000E-09	1.000E-09	7.000E-09
00211039	9.970E-02	0.1000	-3.000E-04	7.300E-07	7.740E-07	-4.890E-08	1.000E-09	1.000E-09	3.000E-09
00211040	0.1064	0.1080	-1.600E-03	4.900E-07	4.600E-07	9.000E-08	6.000E-09	1.000E-09	5.000E-09
00211041	0.1101	0.1120	-1.400E-03	5.400E-07	4.180E-07	1.220E-07	6.000E-09	1.000E-09	5.000E-09
00211042	9.530E-02	9.760E-02	-1.700E-03	8.000E-07	6.280E-07	1.720E-07	6.000E-09	1.000E-09	5.000E-09
00211043	0.1222	0.1260	-3.600E-03	3.400E-07	2.630E-07	7.700E-08	6.000E-09	1.000E-09	5.000E-09
00211044	0.1059	0.1090	-3.100E-03	6.000E-07	4.930E-07	1.020E-07	6.000E-09	1.000E-09	5.000E-09
00211046	0.1014	0.1020	-6.200E-04	8.000E-07	9.170E-07	-1.170E-07	9.000E-09	1.000E-09	-2.000E-09
00211047	0.1045	0.1060	-1.500E-03	5.500E-07	4.360E-07	1.140E-07	6.000E-09	1.000E-09	5.000E-09
00211049	9.760E-02	0.1000	-2.400E-03	6.300E-07	5.490E-07	1.220E-07	6.000E-09	1.000E-09	4.000E-09
00211049	8.560E-02	8.600E-02	-4.700E-04	1.710E-06	1.470E-06	3.030E-07	5.000E-09	3.0	5.000E-09
00211051	0.1008	0.1020	-1.200E-03	1.210E-06	1.284E-06	-7.800E-08	6.000E-09	1.000E-09	5.000E-09
00211053	0.1027	0.1050	-2.300E-03	1.540E-06	1.300E-06	2.320E-07	6.000E-09	1.000E-09	5.000E-09
00211055	0.1063	0.1070	-3.700E-03	3.300E-07	2.470E-07	8.300E-08	7.000E-09	1.000E-09	6.000E-09
00211056	9.270E-02	9.400E-02	-1.300E-03	1.050E-06	6.740E-07	3.760E-07	1.700E-09	9.000E-09	8.000E-09
00211057	0.1144	0.1170	-2.270E-03	2.700E-07	2.770E-07	-7.000E-08	4.000E-09	1.000E-09	3.000E-09

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TABLE S-VII. TEST RESULTS FOR EXPANDER (Continued)

18 SEP 75

27-10333

AGEING PART NO.: 27-10333

SC2221

MOTOROLA PART NO.: SC2221

FILE NAME: SC2221AB TITLE: DEVICE: EXPANDER

10 11 12 13 14 15 16 17 18

DELTA

DELTA

DELTA

SERIAL	10 V (OL) (6-1)	11 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 (ICEX) (7)	14 1975 (ICEX) (7)	15 DELTA (ICEX) (7)	16 1967 (ICEX) (7)	17 1975 (ICEX) (7)	18 DELTA (ICEX) (7)
00211059	0.1327	0.1370	-4.300E-03	3.200E-07	2.630E-07	5.700E-08	5.000E-09	1.000E-09	4.000E-09
00211060	0.1257	0.1290	-3.300E-03	3.300E-07	2.670E-07	6.300E-08	8.000E-09	1.000E-09	7.000E-09
00211061	9.400E-02	9.600E-02	-1.100E-03	9.700E-07	7.680E-07	1.520E-07	5.000E-09	1.000E-09	4.000E-09
00211062	9.400E-02	9.500E-02	-1.100E-03	9.700E-07	7.680E-07	1.520E-07	5.000E-09	1.000E-09	4.000E-09
00211063	9.400E-02	9.500E-02	-1.100E-03	9.700E-07	7.680E-07	1.520E-07	5.000E-09	1.000E-09	4.000E-09
00211064	0.1012	0.1030	-1.800E-03	7.100E-07	5.580E-07	1.520E-07	4.000E-09	1.000E-09	3.000E-09
00211065	0.1350	0.1390	-4.300E-03	2.400E-07	2.570E-07	2.570E-07	6.000E-09	1.000E-09	5.000E-09
00211066	0.1057	0.1080	-2.300E-03	5.100E-07	4.300E-07	8.000E-08	5.000E-09	1.000E-09	4.000E-09
00211067	0.1270	0.1270	-2.200E-03	3.100E-07	2.670E-07	4.300E-08	6.000E-09	1.000E-09	5.000E-09
00211068	0.1165	0.1190	-2.500E-03	4.100E-07	3.770E-07	3.300E-08	5.000E-09	1.000E-09	4.000E-09
00211069	0.1079	0.1079	-2.100E-03	5.400E-07	5.080E-07	5.200E-08	6.000E-09	1.000E-09	5.000E-09
00211070	9.480E-02	9.500E-02	-2.000E-04	8.600E-07	6.980E-07	1.620E-07	5.000E-09	1.000E-09	4.000E-09
00211071	0.1376	0.1420	-4.400E-03	3.400E-07	2.570E-07	8.300E-08	6.000E-09	1.000E-09	5.000E-09
00211072	0.1317	0.1360	-4.800E-03	3.100E-07	2.270E-07	8.300E-08	6.000E-09	1.000E-09	5.000E-09
00211073	0.1129	0.1150	-2.100E-03	4.900E-07	3.570E-07	1.130E-07	1.500E-09	1.000E-09	8.000E-09
00211074	0.1012	0.1030	-1.800E-03	6.900E-07	5.080E-07	1.820E-07	6.000E-09	1.000E-09	5.000E-09
00211075	0.1334	0.1370	-3.600E-03	2.900E-07	2.270E-07	6.300E-08	6.000E-09	1.000E-09	5.000E-09
00211076	0.1243	0.1290	-4.700E-03	4.300E-07	3.170E-07	1.130E-07	8.000E-09	1.000E-09	5.000E-09
00211077	0.1356	0.1390	-3.400E-03	3.200E-07	2.490E-07	7.100E-08	6.000E-09	1.000E-09	5.000E-09
00211078	0.1311	0.1350	-3.900E-03	3.500E-07	2.690E-07	8.100E-08	1.000E-09	1.000E-09	9.000E-09
00211079	0.1340	0.1340	-2.100E-03	4.750E-06	1.590E-06	3.152E-06	6.000E-09	1.000E-09	5.000E-09
00211080	0.1086	0.1110	-2.200E-03	5.100E-07	4.740E-07	3.600E-08	1.500E-09	1.000E-09	5.000E-09
00211081	0.1295	0.1340	-4.500E-03	3.100E-07	2.470E-07	8.300E-08	6.000E-09	1.000E-09	5.000E-09
00211082	0.1443	0.1500	-5.600E-03	3.200E-07	2.190E-07	1.010E-07	6.000E-09	1.000E-09	5.000E-09
00211083	0.1273	0.1310	-3.700E-03	3.100E-07	2.170E-07	9.100E-08	1.300E-09	1.000E-09	2.000E-09
00211084	0.1115	0.1140	-2.500E-03	5.000E-07	3.670E-07	1.330E-07	1.100E-09	1.000E-09	6.000E-09
00211085	9.320E-02	9.300E-02	-2.000E-04	6.800E-07	5.240E-07	1.520E-07	7.000E-09	1.000E-09	5.000E-09
00211086	0.1071	0.1090	-1.900E-03	6.200E-07	4.640E-07	1.500E-07	9.000E-09	1.000E-09	5.000E-09
00211087	9.770E-02	0.1500	-2.300E-03	8.500E-07	5.840E-07	2.600E-07	9.000E-09	1.000E-09	5.000E-09
00211088	0.1052	0.1090	-2.800E-03	6.700E-07	4.430E-07	2.220E-07	5.000E-09	1.000E-09	5.000E-09
00211089	8.820E-02	8.900E-02	-8.000E-04	1.760E-06	1.170E-06	5.610E-07	6.000E-09	1.000E-09	5.000E-09
00211090	0.1297	0.1340	-4.300E-03	3.100E-07	2.070E-07	1.230E-07	6.000E-09	1.000E-09	5.000E-09
00211091	0.1318	0.1370	-5.200E-03	3.000E-07	2.070E-07	9.300E-08	5.000E-09	1.000E-09	4.000E-09
00211092	9.370E-02	9.400E-02	-3.000E-04	5.700E-07	6.540E-07	3.120E-07	5.000E-09	1.000E-09	4.000E-09
00211093	9.230E-02	9.300E-02	-7.000E-04	1.260E-06	8.370E-07	4.230E-07	7.000E-09	1.000E-09	6.000E-09
00211094	0.1278	0.1310	-3.200E-03	3.400E-07	2.470E-07	9.300E-08	6.000E-09	1.000E-09	5.000E-09
00211095	0.1022	0.1040	-1.800E-03	6.200E-07	4.480E-07	1.720E-07	6.000E-09	1.000E-09	5.000E-09
00211096	0.1066	0.1066	-2.400E-03	5.800E-07	4.180E-07	1.620E-07	5.000E-09	1.000E-09	4.000E-09
00211097	0.1045	0.1063	-1.500E-03	4.900E-07	3.670E-07	1.230E-07	1.230E-07	1.000E-09	3.000E-09
00211098	9.975E-02	0.1220	-2.300E-03	7.700E-07	4.640E-07	2.560E-07	6.000E-09	1.000E-09	5.000E-09
00211099	0.1134	0.1170	-3.600E-03	3.180E-06	1.540E-06	1.540E-06	1.540E-06	1.000E-09	6.000E-09
00211100	0.1393	0.1440	-4.700E-03	3.200E-07	2.190E-07	1.010E-07	6.000E-09	1.000E-09	5.000E-09
00211101	9.530E-02	9.600E-02	-7.000E-04	2.700E-07	3.770E-07	1.000E-07	5.000E-09	1.000E-09	4.000E-09
00211102	0.1374	0.1470	-4.600E-03	2.700E-07	2.190E-07	1.010E-07	6.000E-09	1.000E-09	5.000E-09
00211103	0.1197	0.1250	-2.300E-03	3.700E-07	3.930E-07	1.670E-07	1.670E-07	1.000E-09	6.000E-09
00211104	0.1023	0.1050	-2.700E-03	5.600E-07	4.670E-07	1.600E-07	1.600E-07	1.000E-09	6.000E-09
00211105	9.240E-02	9.300E-02	-1.000E-04	9.100E-07	8.670E-07	4.300E-08	7.000E-09	1.000E-09	6.000E-09
00211106	0.1040	0.1060	-2.000E-03	5.600E-07	4.670E-07	1.600E-07	1.600E-07	1.000E-09	6.000E-09
00211107	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211108	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211109	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211110	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211111	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211112	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211113	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211114	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211115	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211116	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211117	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211118	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211119	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211120	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211121	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211122	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211123	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211124	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211125	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211126	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211127	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211128	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211129	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09
00211130	0.1117	0.1150	-3.300E-03	5.100E-07	4.240E-07	1.750E-07	1.750E-07	1.000E-09	6.000E-09

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TABLE 5-VII. TEST RESULTS FOR EXPANDER (Contd)

FILE NAME: SC2221AB		TITLE: DEVICE: EXPANDER		MOTOROLA PART NO.: SC2221		BOEING PART NO.: 27-10333		18 SEP 75	
SERIAL	10 1967 V (OL) (6-1)	11 1975 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 I (CEX) (7)	14 1975 I (CEX) (7)	15 DELTA I (CEX) (7)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00211131	0.1116	0.1140	-2.400E-03	5.900E-07	4.480E-07	1.420E-07	7.000E-09	1.000E-09	6.000E-09
00211133	0.1156	0.1190	-3.400E-03	4.200E-07	3.470E-07	7.300E-08	4.500E-08	4.200E-08	1.300E-08
00211138	9.940E-02	0.1020	-2.600E-03	8.400E-07	6.600E-07	1.960E-07	5.000E-09	1.000E-09	4.000E-09
00211139	0.1434	0.1470	-3.600E-03	3.300E-07	2.670E-07	6.300E-08	9.000E-09	1.000E-09	8.000E-09
00211140	0.1242	0.1270	-2.800E-03	3.200E-07	2.590E-07	6.100E-08	5.500E-09	1.000E-09	4.000E-09
00211143	0.1311	0.1350	-3.900E-03	3.200E-07	2.770E-07	4.300E-08	3.000E-09	1.000E-09	7.000E-09
00211144	8.810E-02	6.700E-02	1.100E-03	1.060E-06	1.150E-06	-9.900E-08	6.000E-09	1.000E-09	5.000E-09
00211145	0.1269	0.1290	-2.100E-03	3.300E-07	4.080E-07	7.800E-08	1.100E-08	9.000E-09	2.000E-09
00211146	0.1064	0.1080	-1.600E-03	6.000E-07	5.240E-07	7.600E-08	5.000E-09	1.000E-09	4.000E-09
00211147	0.1321	0.1360	-3.900E-03	2.800E-07	2.330E-07	6.700E-08	4.000E-09	1.000E-09	5.000E-09
00211149	0.1072	0.1102	-2.800E-03	4.900E-07	3.870E-07	1.030E-07	5.000E-09	1.000E-09	4.000E-09
00211150	9.500E-02	9.500E-02	0.0	7.200E-07	6.040E-07	1.120E-07	5.000E-09	1.000E-09	4.000E-09
00211151	0.1234	0.1280	-4.600E-03	3.800E-07	2.500E-07	1.210E-07	7.000E-09	1.000E-09	6.000E-09
00211152	0.1007	0.1030	-1.600E-03	1.170E-06	8.370E-07	3.330E-07	6.000E-09	1.000E-09	5.000E-09
00211153	0.1131	0.1160	-2.900E-03	4.600E-07	3.270E-07	1.330E-07	5.000E-09	1.000E-09	5.000E-09
00211154	0.1080	0.1080	0.0	6.900E-07	1.170E-06	-4.870E-07	8.000E-09	9.000E-09	-1.000E-09
00211155	0.1286	0.1330	-4.400E-03	3.000E-07	2.090E-07	9.100E-08	5.000E-09	1.000E-09	4.000E-09
00211156	8.160E-02	8.200E-02	-4.000E-04	2.020E-06	1.530E-06	4.220E-07	4.000E-09	1.000E-09	5.000E-09
00211157	0.1194	0.1230	-3.400E-03	5.600E-07	4.080E-07	1.520E-07	6.000E-09	0.0	6.000E-09
00211159	0.1085	0.1110	-2.500E-03	5.600E-07	4.190E-07	1.420E-07	6.000E-09	1.000E-09	5.000E-09
00211160	0.1351	0.1400	-4.900E-03	2.800E-07	2.070E-07	7.300E-08	5.000E-09	1.000E-09	4.000E-09
00211161	0.1027	0.1050	-2.300E-03	6.300E-07	4.700E-07	1.520E-07	5.000E-09	1.000E-09	6.000E-09
00211162	9.550E-02	9.600E-02	5.000E-04	9.700E-07	7.400E-07	2.220E-07	7.000E-09	1.000E-09	5.000E-09
00211164	0.1292	0.1330	-4.200E-03	3.500E-07	2.270E-07	1.230E-07	6.000E-09	1.000E-09	5.000E-09
00211165	0.1213	0.1240	-2.700E-03	4.100E-07	2.990E-07	1.110E-07	6.000E-09	1.000E-09	5.000E-09
00211166	0.1149	0.1180	-3.100E-03	4.900E-07	3.470E-07	1.430E-07	6.000E-09	1.000E-09	5.000E-09
00211167	0.1083	0.1110	-2.700E-03	5.400E-07	5.630E-07	-2.800E-08	6.000E-09	1.000E-09	5.000E-09
00211169	0.1268	0.1300	-3.200E-03	3.400E-07	2.930E-07	4.700E-08	6.000E-09	1.000E-09	5.000E-09
00211170	0.1039	0.1090	-5.100E-03	6.100E-07	6.000E-07	1.700E-08	6.000E-09	1.000E-09	5.000E-09
00211171	0.1072	8.900E-02	-3.820E-02	6.800E-07	1.040E-06	-3.670E-07	5.000E-09	1.000E-09	4.000E-09
00211172	9.920E-02	0.1440	-5.490E-02	1.710E-06	2.270E-07	1.400E-06	6.000E-09	1.000E-09	5.000E-09
00211173	0.1393	9.900E-02	4.330E-02	2.600E-07	7.630E-07	-5.080E-07	6.000E-09	1.000E-09	5.000E-09
00211174	9.740E-02	0.1010	-3.200E-03	8.200E-07	9.670E-07	-1.470E-07	6.000E-09	1.000E-09	5.000E-09
00211175	9.920E-02	0.1090	-9.800E-03	1.260E-06	5.330E-07	7.300E-07	5.000E-09	1.000E-09	4.000E-09
00211179	0.1075	0.1100	-2.500E-03	5.900E-07	4.480E-07	1.420E-07	9.000E-09	9.000E-09	0.0
00211179	8.510E-02	8.500E-02	1.900E-04	1.470E-06	1.000E-06	1.370E-06	6.000E-09	1.000E-09	5.000E-09
00211190	0.1008	0.1030	-2.200E-03	8.900E-07	5.780E-07	3.120E-07	6.000E-09	1.000E-09	5.000E-09
00211194	0.1081	0.1100	-1.900E-03	5.700E-07	5.030E-07	1.700E-07	7.000E-09	1.000E-09	4.000E-09
00211185	9.960E-02	0.1100	-1.040E-02	1.020E-06	5.740E-07	4.460E-07	7.000E-09	1.000E-09	6.000E-09
00211186	0.1292	0.1010	-2.620E-02	3.270E-07	9.170E-07	-5.670E-07	5.000E-09	1.000E-09	5.000E-09
00211187	0.1124	0.1130	-2.060E-02	4.600E-07	2.590E-07	2.010E-07	5.000E-09	1.000E-09	4.000E-09
00211189	0.1185	0.1150	3.500E-03	3.900E-07	3.890E-07	7.000E-07	6.000E-09	1.000E-09	5.000E-09
00211191	0.1412	0.1450	-3.000E-03	2.600E-07	2.090E-07	5.100E-08	6.000E-09	1.000E-09	5.000E-09
00211193	0.1215	0.1230	-1.500E-03	3.600E-07	4.290E-07	-6.800E-08	7.000E-09	1.000E-09	4.000E-09
00211195	0.1279	0.1310	-3.100E-03	3.100E-07	2.530E-07	5.100E-08	7.000E-09	1.000E-09	6.000E-09
00211196	0.1244	0.1280	-3.600E-03	3.700E-07	2.930E-07	7.100E-08	7.000E-09	1.000E-09	9.000E-09
00211197	0.1238	0.1270	-3.400E-03	3.400E-07	2.930E-07	4.700E-08	1.400E-09	1.000E-09	3.000E-09
00211198	0.1014	0.1040	-2.200E-03	5.600E-07	4.680E-07	7.200E-08	5.000E-09	1.000E-09	4.000E-09
00211199	0.1107	0.1130	-2.300E-03	4.900E-07	4.540E-07	4.200E-08	5.000E-09	1.000E-09	4.000E-09
00211200	9.980E-02	0.1020	-2.200E-03	8.100E-07	7.080E-07	1.020E-07	1.400E-09	1.000E-09	-7.000E-09

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TABLE 5-VII. TEST RESULTS FOR EXPANDER (Continued)

10 SEP 75

27-10333

SC222/1

ROEING PART NO.:

EXPANDER

FILE NAME: SC2221A8

SERIAL	10 1967 V (OL) (6-1)	11 1975 V (OL) (6-1)	12 DELTA V (OL) (6-1)	13 1967 I (CEX) (7)	14 1975 I (CEX) (7)	15 DELTA I (CEX) (7)	16 1967 I (RT)	17 1975 I (RT)	18 DELTA I (RT)
00211201	0.1344	0.1370	-2.600E-03	2.900E-07	2.590E-07	3.100E-08	7.000E-09	1.000E-09	6.000E-09
00211202	9.980E-02	0.1210	-1.200E-03	6.400E-07	4.790E-07	1.620E-07	4.000E-09	1.000E-09	3.000E-09
00211206	0.1320	0.1350	-3.000E-03	3.300E-07	3.470E-07	-1.700E-08	1.900E-08	1.100E-08	8.000E-09
00211209	0.1003	0.1020	-1.700E-03	6.000E-07	4.790E-07	1.200E-07	5.000E-09	1.000E-09	4.000E-09
00211213	0.1270	0.1310	-4.000E-03	4.100E-07	2.670E-07	1.430E-07	6.000E-09	1.000E-09	5.000E-09
00211219	9.800E-02	9.900E-02	-1.000E-03	7.300E-07	6.090E-07	1.200E-07	7.000E-09	1.000E-09	6.000E-09
00211220	0.1455	0.1490	-3.500E-03	1.000E-08	2.410E-07	-2.300E-07	1.600E-08	1.000E-09	1.500E-08
00211221	9.780E-02	9.800E-02	-2.000E-04	7.400E-07	6.610E-07	7.700E-08	6.000E-09	1.000E-09	5.000E-09
00211222	0.1079	0.1100	-2.100E-03	6.700E-07	5.300E-07	1.400E-07	9.000E-09	1.000E-09	5.000E-09
00211223	0.1094	0.1110	-1.600E-03	2.820E-06	1.598E-06	1.220E-06	5.000E-09	1.000E-09	4.000E-09
00211224	0.1020	0.1050	-3.000E-03	8.900E-07	5.870E-07	3.030E-07	6.000E-09	1.000E-09	5.000E-09
00211225	0.1251	0.1283	-2.900E-03	3.700E-07	2.970E-07	7.300E-08	6.000E-09	1.000E-09	5.000E-09
00211226	0.1259	0.1280	-2.100E-03	3.300E-07	3.170E-07	1.400E-07	7.000E-09	1.000E-09	6.000E-09
00211227	9.610E-02	9.700E-02	-9.000E-04	2.900E-07	7.990E-07	1.210E-07	5.000E-09	1.000E-09	5.000E-09
00211228	9.620E-02	9.700E-02	-8.000E-04	8.300E-07	6.890E-07	1.400E-07	6.000E-09	1.000E-09	5.000E-09
00211229	9.510E-02	9.500E-02	-1.000E-04	5.800E-07	6.780E-07	1.110E-07	7.000E-09	1.000E-09	6.000E-09
00211230	9.940E-02	0.1310	-1.600E-03	8.600E-07	6.780E-07	1.820E-07	7.000E-09	1.000E-09	6.000E-09
00211231	0.1161	0.1190	-2.900E-03	4.300E-07	3.270E-07	1.030E-07	7.000E-09	1.000E-09	6.000E-09
00211232	0.1380	0.1420	-4.000E-03	2.800E-07	2.270E-07	5.300E-08	6.000E-09	1.000E-09	5.000E-09
00211233	9.730E-02	9.800E-02	-7.000E-04	8.800E-07	5.690E-07	-1.900E-08	1.500E-08	1.200E-08	3.000E-09
00211234	0.1047	0.1070	-2.300E-03	6.500E-07	5.950E-07	5.600E-08	5.000E-09	1.000E-09	4.000E-09
00211237	0.1241	0.1280	-3.900E-03	4.300E-07	3.230E-07	1.070E-07	7.000E-09	1.000E-09	6.000E-09
00211238	0.1175	0.1190	-1.500E-03	4.900E-07	3.390E-07	5.200E-08	5.000E-09	1.000E-09	4.000E-09
00211280	0.1249	0.1280	-3.100E-03	3.200E-07	2.570E-07	6.300E-08	5.000E-09	1.000E-09	4.000E-09
00211290	0.1327	0.1370	-4.300E-03	3.600E-07	2.470E-07	1.130E-07	6.000E-09	1.000E-09	5.000E-09
00211291	8.640E-02	8.700E-02	-5.000E-04	2.040E-06	1.554E-06	4.860E-07	6.000E-09	1.000E-09	5.000E-09
00211292	0.1174	0.1203	-2.600E-03	4.500E-07	4.000E-07	5.000E-08	5.000E-09	1.000E-09	4.000E-09
00211293	0.1284	0.1310	-2.600E-03	4.100E-07	5.260E-07	1.140E-07	6.000E-09	1.000E-09	5.000E-09
00211295	8.820E-02	8.900E-02	-8.100E-04	1.380E-06	1.264E-06	1.160E-07	7.000E-09	1.000E-09	6.000E-09
00211297	0.1109	0.1210	-2.100E-03	4.500E-07	3.470E-07	1.030E-07	7.000E-09	1.000E-09	6.000E-09
00211298	0.1093	0.1120	-2.700E-03	5.200E-07	4.500E-07	7.000E-08	7.000E-09	1.000E-09	6.000E-09
00211299	0.1175	0.1203	-2.500E-03	5.900E-07	4.180E-07	1.720E-07	6.000E-09	1.000E-09	5.000E-09
00211301	0.1280	0.1310	-5.000E-03	4.700E-07	3.070E-07	1.610E-07	7.000E-09	1.000E-09	6.000E-09
00211303	0.1204	0.1240	-3.200E-03	3.900E-07	2.590E-07	9.100E-08	6.000E-09	1.000E-09	5.000E-09
00211304	0.1233	0.1255	-1.900E-04	1.500E-06	1.370E-06	1.230E-07	7.000E-09	1.000E-09	6.000E-09
00211361	9.390E-02	9.400E-02	-3.100E-03	2.600E-07	2.670E-07	7.000E-08	6.000E-09	1.000E-09	5.000E-09
00211363	0.1369	0.1400	-2.300E-03	6.900E-07	4.890E-07	1.900E-08	6.000E-09	1.000E-09	5.000E-09
00211365	0.1048	0.1093	-4.500E-03	5.300E-07	4.430E-07	8.200E-08	6.000E-09	1.000E-09	5.000E-09
00211367	0.1397	0.1440	-2.500E-03	3.200E-07	2.570E-07	6.200E-08	6.000E-09	1.000E-09	5.000E-09
00211368	0.1155	0.1190	-2.500E-03	5.300E-07	4.430E-07	8.200E-08	6.000E-09	1.000E-09	5.000E-09
00211373	0.1113	0.1160	-2.700E-03	6.200E-07	4.430E-07	1.100E-07	7.000E-09	1.000E-09	6.000E-09
00211374	9.300E-02	9.400E-02	-1.000E-03	1.600E-06	9.270E-07	2.300E-07	5.000E-09	1.000E-09	4.000E-09
00211375	0.1125	0.1155	-2.500E-03	4.900E-07	4.040E-07	8.200E-08	7.000E-09	1.000E-09	6.000E-09
00211376	0.1149	0.1170	-2.100E-03	5.000E-07	4.040E-07	9.200E-08	6.000E-09	1.000E-09	5.000E-09
00211377	0.1313	0.1330	-1.700E-03	3.000E-07	2.300E-07	5.300E-08	5.000E-09	1.000E-09	4.000E-09
00211378	0.1231	0.1260	-2.900E-03	3.400E-07	2.870E-07	5.900E-08	6.000E-09	1.000E-09	5.000E-09
00211433	9.660E-02	9.700E-02	-3.500E-04	8.200E-07	5.290E-07	1.700E-07	7.000E-09	1.000E-09	6.000E-09
00211434	0.1250	0.1250	-1.500E-03	3.600E-07	2.670E-07	5.200E-08	6.000E-09	1.000E-09	5.000E-09
00211436	0.1277	0.1300	-2.200E-03	3.600E-07	3.770E-07	-1.700E-08	5.000E-09	1.000E-09	4.000E-09
00211443	0.1220	0.1255	-3.300E-03	4.000E-07	3.230E-07	7.700E-08	6.000E-09	1.000E-09	5.000E-09

D256-10082-2

TABLE 5-VII, TEST RESULTS FOR EXPANDER (Con' ed)

FILE NAME: SC2221A8		TITLE: DEVICE: EXPANDER		MOTOROLA PART NO.: SC2221		MODEM PART NO.: 27-10333		18 SEP 75	
SERIAL	10	11	12	13	14	15	16	17	18
	1967 V (OL) (6-1)	1975 V (OL) (6-1)	DELTA V (OL) (6-1)	1967 I (CEX) (7)	1975 I (CEX) (7)	DELTA I (CEX) (7)	1967 I (RT) (7)	1975 I (RT) (7)	DELTA I (RT) (7)
00211444	0.1294	0.1330	-3.600E-03	3.600E-07	2.900E-07	6.100E-08	7.000E-09	1.000E-09	6.000E-09
00211445	0.1225	0.1260	-3.500E-03	3.600E-07	2.900E-07	6.100E-08	7.000E-09	1.000E-09	6.000E-09
00211446	0.1236	0.1270	-3.400E-03	3.900E-07	2.770E-07	1.130E-07	7.000E-09	1.000E-09	6.000E-09

0256-10082-2

MOTOROLA PART NO.: SC2221 ROEING PART NO.: 27-10333 18 SEP 75

SERIAL	19		20		21	
	1967	1975	1967	1975	1967	1975
	(L)	(L)	(L)	(L)	(L)	(L)
00210006	3.000E-07	2.500E-07	5.000E-07	5.000E-08		
00210007	3.000E-07	7.000E-08	2.300E-07	2.300E-07		
00210008	3.000E-07	9.000E-08	2.100E-07	2.100E-07		
00210009	0.0	6.000E-08	-6.000E-08	-6.000E-08		
00210010	3.000E-07	5.000E-08	2.500E-07	2.500E-07		
00210011	3.000E-07	6.000E-08	2.400E-07	2.400E-07		
00210012	3.000E-07	1.100E-07	1.900E-07	1.900E-07		
00210013	3.000E-07	1.300E-07	1.700E-07	1.700E-07		
00210014	3.000E-07	1.400E-07	1.600E-07	1.600E-07		
00210015	4.000E-07	2.400E-07	1.400E-07	1.400E-07		
00210016	3.000E-07	7.000E-08	2.300E-07	2.300E-07		
00210017	3.000E-07	1.400E-07	1.200E-07	1.200E-07		
00210018	3.000E-07	1.000E-07	2.000E-07	2.000E-07		
00210019	3.000E-07	1.300E-07	1.700E-07	1.700E-07		
00210020	3.000E-07	1.900E-07	1.100E-07	1.100E-07		
00210021	3.000E-07	1.000E-07	1.100E-07	1.100E-07		
00210022	3.000E-07	9.000E-08	2.100E-07	2.100E-07		
00210023	3.000E-07	1.400E-07	1.200E-07	1.200E-07		
00210024	3.000E-07	1.600E-07	1.000E-07	1.000E-07		
00210025	3.000E-07	1.700E-07	9.000E-08	9.000E-08		
00210026	3.000E-07	1.800E-07	8.000E-08	8.000E-08		
00210027	3.000E-07	1.900E-07	7.000E-08	7.000E-08		
00210028	3.000E-07	2.000E-07	6.000E-08	6.000E-08		
00210029	3.000E-07	2.100E-07	5.000E-08	5.000E-08		
00210030	3.000E-07	2.200E-07	4.000E-08	4.000E-08		
00210031	3.000E-07	2.300E-07	3.000E-08	3.000E-08		
00210032	3.000E-07	2.400E-07	2.000E-08	2.000E-08		
00210033	3.000E-07	2.500E-07	1.000E-08	1.000E-08		
00210034	3.000E-07	2.600E-07	0.0	0.0		
00210035	3.000E-07	2.700E-07	0.0	0.0		
00210036	3.000E-07	2.800E-07	0.0	0.0		
00210037	3.000E-07	2.900E-07	0.0	0.0		
00210038	3.000E-07	3.000E-07	0.0	0.0		
00210039	3.000E-07	3.100E-07	0.0	0.0		
00210040	3.000E-07	3.200E-07	0.0	0.0		
00210041	3.000E-07	3.300E-07	0.0	0.0		
00210042	3.000E-07	3.400E-07	0.0	0.0		
00210043	3.000E-07	3.500E-07	0.0	0.0		
00210044	3.000E-07	3.600E-07	0.0	0.0		
00210045	3.000E-07	3.700E-07	0.0	0.0		
00210046	3.000E-07	3.800E-07	0.0	0.0		
00210047	3.000E-07	3.900E-07	0.0	0.0		
00210048	3.000E-07	4.000E-07	0.0	0.0		
00210049	3.000E-07	4.100E-07	0.0	0.0		
00210050	3.000E-07	4.200E-07	0.0	0.0		
00210051	3.000E-07	4.300E-07	0.0	0.0		
00210052	3.000E-07	4.400E-07	0.0	0.0		
00210053	3.000E-07	4.500E-07	0.0	0.0		
00210054	3.000E-07	4.600E-07	0.0	0.0		
00210055	3.000E-07	4.700E-07	0.0	0.0		
00210056	3.000E-07	4.800E-07	0.0	0.0		
00210057	3.000E-07	4.900E-07	0.0	0.0		
00210058	3.000E-07	5.000E-07	0.0	0.0		
00210059	3.000E-07	5.100E-07	0.0	0.0		
00210060	3.000E-07	5.200E-07	0.0	0.0		
00210061	3.000E-07	5.300E-07	0.0	0.0		
00210062	3.000E-07	5.400E-07	0.0	0.0		
00210063	3.000E-07	5.500E-07	0.0	0.0		
00210064	3.000E-07	5.600E-07	0.0	0.0		
00210065	3.000E-07	5.700E-07	0.0	0.0		
00210066	3.000E-07	5.800E-07	0.0	0.0		
00210067	3.000E-07	5.900E-07	0.0	0.0		
00210068	3.000E-07	6.000E-07	0.0	0.0		
00210069	3.000E-07	6.100E-07	0.0	0.0		
00210070	3.000E-07	6.200E-07	0.0	0.0		
00210071	3.000E-07	6.300E-07	0.0	0.0		
00210072	3.000E-07	6.400E-07	0.0	0.0		
00210073	3.000E-07	6.500E-07	0.0	0.0		
00210074	3.000E-07	6.600E-07	0.0	0.0		
00210075	3.000E-07	6.700E-07	0.0	0.0		
00210076	3.000E-07	6.800E-07	0.0	0.0		
00210077	3.000E-07	6.900E-07	0.0	0.0		
00210078	3.000E-07	7.000E-07	0.0	0.0		
00210079	3.000E-07	7.100E-07	0.0	0.0		
00210080	3.000E-07	7.200E-07	0.0	0.0		
00210081	3.000E-07	7.300E-07	0.0	0.0		
00210082	3.000E-07	7.400E-07	0.0	0.0		
00210083	3.000E-07	7.500E-07	0.0	0.0		
00210084	3.000E-07	7.600E-07	0.0	0.0		
00210085	3.000E-07	7.700E-07	0.0	0.0		
00210086	3.000E-07	7.800E-07	0.0	0.0		
00210087	3.000E-07	7.900E-07	0.0	0.0		
00210088	3.000E-07	8.000E-07	0.0	0.0		
00210089	3.000E-07	8.100E-07	0.0	0.0		
00210090	3.000E-07	8.200E-07	0.0	0.0		
00210091	3.000E-07	8.300E-07	0.0	0.0		
00210092	3.000E-07	8.400E-07	0.0	0.0		
00210093	3.000E-07	8.500E-07	0.0	0.0		
00210094	3.000E-07	8.600E-07	0.0	0.0		
00210095	3.000E-07	8.700E-07	0.0	0.0		
00210096	3.000E-07	8.800E-07	0.0	0.0		
00210097	3.000E-07	8.900E-07	0.0	0.0		
00210098	3.000E-07	9.000E-07	0.0	0.0		
00210099	3.000E-07	9.100E-07	0.0	0.0		
00210100	3.000E-07	9.200E-07	0.0	0.0		
00210101	3.000E-07	9.300E-07	0.0	0.0		
00210102	3.000E-07	9.400E-07	0.0	0.0		
00210103	3.000E-07	9.500E-07	0.0	0.0		
00210104	3.000E-07	9.600E-07	0.0	0.0		
00210105	3.000E-07	9.700E-07	0.0	0.0		
00210106	3.000E-07	9.800E-07	0.0	0.0		
00210107	3.000E-07	9.900E-07	0.0	0.0		
00210108	3.000E-07	1.000E-07	0.0	0.0		
00210109	3.000E-07	1.010E-07	0.0	0.0		
00210110	3.000E-07	1.020E-07	0.0	0.0		
00210111	3.000E-07	1.030E-07	0.0	0.0		
00210112	3.000E-07	1.040E-07	0.0	0.0		
00210113	3.000E-07	1.050E-07	0.0	0.0		
00210114	3.000E-07	1.060E-07	0.0	0.0		
00210115	3.000E-07	1.070E-07	0.0	0.0		
00210116	3.000E-07	1.080E-07	0.0	0.0		
00210117	3.000E-07	1.090E-07	0.0	0.0		
00210118	3.000E-07	1.100E-07	0.0	0.0		
00210119	3.000E-07	1.110E-07	0.0	0.0		
00210120	3.000E-07	1.120E-07	0.0	0.0		
00210121	3.000E-07	1.130E-07	0.0	0.0		
00210122	3.000E-07	1.140E-07	0.0	0.0		
00210123	3.000E-07	1.150E-07	0.0	0.0		
00210124	3.000E-07	1.160E-07	0.0	0.0		
00210125	3.000E-07	1.170E-07	0.0	0.0		
00210126	3.000E-07	1.180E-07	0.0	0.0		
00210127	3.000E-07	1.190E-07	0.0	0.0		
00210128	3.000E-07	1.200E-07	0.0	0.0		
00210129	3.000E-07	1.210E-07	0.0	0.0		
00210130	3.000E-07	1.220E-07	0.0	0.0		
00210131	3.000E-07	1.230E-07	0.0	0.0		
00210132	3.000E-07	1.240E-07	0.0	0.0		
00210133	3.000E-07	1.250E-07	0.0	0.0		
00210134	3.000E-07	1.260E-07	0.0	0.0		
00210135	3.000E-07	1.270E-07	0.0	0.0		
00210136	3.000E-07	1.280E-07	0.0	0.0		
00210137	3.000E-07	1.290E-07	0.0	0.0		
00210138	3.000E-07	1.300E-07	0.0	0.0		
00210139	3.000E-07	1.310E-07	0.0	0.0		
00210140	3.000E-07	1.320E-07	0.0	0.0		
00210141	3.000E-07	1.330E-07	0.0	0.0		
00210142	3.000E-07	1.340E-07	0.0	0.0		
00210143	3.000E-07	1.350E-07	0.0	0.0		
00210144	3.000E-07	1.360E-07	0.0	0.0		
00210145	3.000E-07	1.370E-07	0.0	0.0		
00210146	3.000E-07	1.380E-07	0.0	0.0		
00210147	3.000E-07	1.390E-07	0.0	0.0		
00210148	3.000E-07	1.400E-07	0.0	0.0		
00210149	3.000E-07	1.410E-07	0.0	0.0		
00210150	3.000E-07	1.420E-07	0.0	0.0		
00210151	3.000E-07	1.430E-07	0.0	0.0		
00210152	3.000E-07	1.440E-07	0.0	0.0		
00210153	3.000E-07	1.450E-07	0.0	0.0		
00210154	3.000E-07	1.460E-07	0.0	0.0		
00210155	3.000E-07	1.470E-07	0.0	0.0		
00210156	3.000E-07	1.480E-07	0.0	0.0		
00210157	3.000E-07	1.490E-07	0.0	0.0		
00210158	3.000E-07	1.500E-07	0.0	0.0		
00210159	3.000E-07	1.510E-07	0.0	0.0		
00210160	3.000E-07	1.520E-07	0.0	0.0		
00210161	3.000E-07	1.530E-07	0.0	0.0		
00210162	3.000E-07	1.540E-07	0.0	0.0		
00210163	3.000E-07	1.550E-07	0.0	0.0		
00210164	3.000E-07	1.560E-07	0.0	0.0		
00210165	3.000E-07	1.570E-07	0.0	0.0		
00210166	3.000E-07	1.580E-07	0.0	0.0		
00210167	3.000E-07	1.590E-07	0.0	0.0		
00210168	3.000E-07	1.600E-07	0.0	0.0		
00210169	3.000E-07	1.610E-07	0.0	0.0		
00210170	3.000E-07	1.620E-07	0.0	0.0		
00210171	3.000E-07	1.630E-07	0.0	0.0		
00210172	3.000E-07	1.640E-07	0.0	0.0		
00210173	3.000E-07	1.650E-07	0.0	0.0		
00210174	3.000E-07	1.660E-07	0.0	0.0		
00210175	3.000E-07	1.670E-07	0.0	0.0		
00210176	3.000E-07	1.680E-07	0.0	0.0		
00210177	3.000E-07	1.690E-07	0.0	0.0		
00210178	3.000E-07	1.700E-				

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Contd)

FILE NAME: SC2221AB TITLE: DEVICE: EXPANDER

MOTOROLA PART NO.: SC2221 ROEING PART NO.: 27-10333

18 SEP 75

SERIAL	19		20		21	
	1967	1968	1975	1976	DELTA	DELTA
	1 (L)	1 (L)	1 (L)	1 (L)	1 (L)	1 (L)

00210331	3.000E-07	2.100E-07	9.000E-08
00210332	3.000E-07	1.000E-07	2.000E-07
00210335	3.000E-07	9.000E-08	2.100E-07
00210336	3.000E-07	1.900E-07	1.100E-07
00210338	3.000E-07	1.200E-07	1.800E-07
00210399	3.000E-07	1.100E-07	1.900E-07
00210401	3.000E-07	0.0	3.000E-07
00210402	3.000E-07	1.500E-07	1.500E-07
00210403	3.000E-07	1.500E-07	1.500E-07
00210405	5.000E-07	3.000E-07	2.000E-07
00210406	3.000E-07	1.800E-07	1.200E-07
00210407	9.900E-06	9.780E-06	1.200E-07
00210409	3.000E-07	2.400E-07	6.000E-08
00210411	3.000E-07	2.000E-07	1.000E-07
00210412	3.000E-07	1.000E-07	2.000E-07
00210414	3.000E-07	9.000E-08	2.100E-07
00210471	3.000E-07	1.500E-07	1.500E-07
00210474	3.000E-07	1.000E-07	2.000E-07
00210475	3.000E-07	1.000E-07	2.000E-07
00210476	3.000E-07	1.000E-07	2.000E-07
00210477	3.000E-07	1.000E-07	2.000E-07
00210479	1.400E-06	1.370E-06	3.000E-08
00210481	3.000E-07	9.000E-08	2.200E-07
00210483	3.000E-07	5.000E-08	2.500E-07
00210484	3.000E-07	1.500E-07	1.500E-07
00210485	3.000E-07	0.0	3.000E-07
00210541	3.000E-07	1.100E-07	1.900E-07
00210542	3.000E-07	2.100E-07	9.000E-08
00210543	3.000E-07	1.900E-07	1.100E-07
00210544	3.000E-07	1.400E-07	1.500E-07
00210545	3.000E-07	1.600E-07	1.400E-07
00210546	3.000E-07	1.900E-07	1.100E-07
00210547	5.000E-07	4.600E-07	4.000E-08
00210548	3.000E-07	1.000E-07	2.000E-07
00210549	3.000E-07	1.300E-07	1.700E-07
00210550	3.000E-07	0.0	3.000E-07
00210551	3.000E-07	1.400E-07	1.200E-07
00210552	3.000E-07	2.100E-07	9.000E-09
00210553	3.000E-07	2.200E-07	9.000E-09
00210554	3.000E-07	1.400E-07	1.400E-07
00210555	3.000E-07	1.800E-07	1.200E-07
00210556	3.000E-07	7.000E-08	2.300E-07
00210557	3.000E-07	6.400E-06	6.100E-06
00210558	3.000E-07	1.700E-07	1.300E-07
00210614	5.000E-06	5.860E-06	4.000E-08
00210615	3.000E-07	1.400E-07	1.100E-07
00210616	3.000E-06	3.790E-06	3.100E-07
00210619	3.000E-07	2.100E-07	9.000E-08
00210623	8.900E-06	8.730E-06	1.700E-07

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con' ed)

18 SEP 75

ENGINE PART NO.: 27-10333

MOTOROLA PART NO.: SC2221

FILE NAME: SC2221AB TITLE: DEVICE: EXPANDER

SERIAL 19 1967 20 1975 21 DELTA
F (L) F (L) F (L)

00210521	3.000E-07	1.000E-07	2.000E-07	2.000E-07
00210622	3.000E-07	6.000E-08	2.400E-07	2.400E-07
00210623	3.000E-07	2.400E-07	6.000E-08	6.000E-08
00210624	3.000E-07	1.100E-07	1.900E-07	1.900E-07
00210625	2.100E-06	2.000E-06	1.000E-07	1.000E-07
00210626	3.000E-07	2.200E-07	8.000E-08	8.000E-08
00210628	3.000E-07	2.100E-07	9.000E-08	9.000E-08
00210629	3.000E-07	0.0	3.000E-07	3.000E-07
00210630	3.000E-07	1.500E-07	1.500E-07	1.500E-07
00210635	3.000E-07	1.600E-07	1.400E-07	1.400E-07
00210637	3.000E-07	9.000E-08	2.100E-07	2.100E-07
00210639	3.000E-07	1.400E-07	1.600E-07	1.600E-07
00210691	6.100E-06	6.340E-06	4.000E-08	4.000E-08
00210692	3.000E-07	9.000E-08	2.100E-07	2.100E-07
00210694	3.000E-07	1.600E-07	1.400E-07	1.400E-07
00210697	5.000E-07	2.600E-07	2.400E-07	2.400E-07
00210698	3.000E-07	1.400E-07	1.600E-07	1.600E-07
00210700	3.000E-07	2.500E-07	5.000E-08	5.000E-08
00210701	3.000E-07	1.000E-07	2.500E-07	2.500E-07
00210702	3.000E-07	1.700E-07	1.300E-07	1.300E-07
00210709	3.000E-07	2.700E-07	3.000E-08	3.000E-08
00210711	3.000E-07	1.400E-07	1.200E-07	1.200E-07
00210722	3.000E-07	1.100E-07	1.900E-07	1.900E-07
00210773	3.000E-07	6.000E-08	2.400E-07	2.400E-07
00210774	3.000E-07	1.400E-07	1.100E-07	1.100E-07
00210775	3.000E-07	1.500E-07	1.500E-07	1.500E-07
00210776	3.000E-07	1.300E-07	1.700E-07	1.700E-07
00210777	3.000E-07	1.700E-07	1.300E-07	1.300E-07
00210778	3.000E-07	1.100E-07	1.900E-07	1.900E-07
00210779	3.000E-07	8.000E-08	2.200E-07	2.200E-07
00210780	3.000E-07	1.300E-07	2.000E-07	2.000E-07
00210781	3.000E-07	1.000E-07	2.000E-07	2.000E-07
00210785	3.000E-07	1.800E-07	1.200E-07	1.200E-07
00210840	3.000E-07	1.600E-07	1.400E-07	1.400E-07
00210842	3.000E-07	1.000E-07	1.100E-07	1.100E-07
00210843	3.000E-07	1.100E-07	1.900E-07	1.900E-07
00210845	3.000E-07	1.600E-07	1.400E-07	1.400E-07
00210847	3.000E-07	1.300E-07	1.700E-07	1.700E-07
00210849	3.000E-07	1.300E-07	1.700E-07	1.700E-07
00210850	3.000E-07	2.000E-07	1.000E-07	1.000E-07
00210852	3.000E-07	1.000E-07	2.000E-07	2.000E-07
00210853	3.000E-07	1.500E-07	1.500E-07	1.500E-07
00210854	3.000E-07	1.300E-07	1.700E-07	1.700E-07
00210855	2.100E-06	1.800E-06	2.400E-07	2.400E-07
00210856	3.000E-07	1.800E-07	1.200E-07	1.200E-07
00210857	3.000E-07	9.000E-08	2.100E-07	2.100E-07
00210912	3.000E-07	1.700E-07	1.300E-07	1.300E-07
00210913	3.000E-07	1.400E-07	1.600E-07	1.600E-07
00210914	3.000E-07	1.000E-07	2.000E-07	2.000E-07
00210915	3.000E-07	1.100E-07	1.900E-07	1.900E-07

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Continued)

FILE NAME: SC2221A8 TITLE: DEVICE: EXPANDER MOTOROLA PART NO.: SC2221 RENEWING PART NO.: 27-10333 10 SEP 75

SERIAL 19 20 21
1967 1975 DELTA
1 (L) 1 (L) 1 (L)

00210916	6.000E-07	4.300E-07	1.700E-07
00210917	3.000E-07	8.000E-08	2.200E-07
00210918	3.000E-07	1.600E-07	1.400E-07
00210921	3.000E-07	1.000E-07	2.000E-07
00210922	3.000E-07	1.700E-07	1.100E-07
00210923	3.000E-07	1.700E-07	1.500E-07
00210924	3.000E-07	1.800E-07	1.200E-07
00210925	3.000E-07	1.900E-07	1.100E-07
00210926	3.000E-07	1.400E-07	1.600E-07
00210927	3.000E-07	1.800E-07	1.200E-07
00210928	3.000E-07	1.600E-07	1.400E-07
00210929	3.000E-07	2.100E-07	9.000E-08
00210948	3.000E-07	1.400E-07	1.600E-07
00210949	3.000E-07	1.400E-07	1.600E-07
00210954	4.000E-07	2.900E-07	1.100E-07
00210956	3.000E-07	1.900E-07	1.100E-07
00210958	3.000E-07	1.200E-07	1.800E-07
00210959	3.000E-07	8.000E-08	2.200E-07
00210962	1.000E-06	8.200E-07	1.800E-07
00210963	3.000E-07	1.300E-07	1.700E-07
00210964	3.000E-07	1.800E-07	1.200E-07
00210969	3.000E-07	1.600E-07	1.400E-07
00210993	3.000E-07	1.000E-07	2.000E-07
00210994	3.000E-07	9.000E-08	2.100E-07
00210995	3.000E-07	1.500E-07	1.500E-07
00210999	3.000E-07	1.900E-07	1.100E-07
00211003	3.000E-07	1.700E-07	1.300E-07
00211010	3.000E-07	1.700E-07	1.300E-07
00211022	3.000E-07	1.300E-07	2.000E-07
00211025	3.000E-07	1.300E-07	1.700E-07
00211026	3.000E-07	1.200E-07	1.800E-07
00211027	3.000E-07	7.000E-08	2.300E-07
00211028	3.000E-07	1.400E-07	1.600E-07
00211031	3.000E-07	1.700E-07	1.500E-07
00211032	3.000E-07	9.000E-08	2.200E-07
00211039	3.000E-07	9.000E-08	2.100E-07
00211040	3.000E-07	1.900E-07	1.200E-07
00211041	3.000E-07	1.400E-07	1.600E-07
00211042	3.000E-07	9.000E-08	2.100E-07
00211043	3.000E-07	7.000E-08	2.300E-07
00211044	3.000E-07	1.400E-07	1.600E-07
00211045	3.000E-07	1.400E-07	1.600E-07
00211047	3.000E-07	6.000E-08	2.400E-07
00211049	3.000E-07	0.0	3.000E-07
00211049	7.000E-07	6.300E-07	7.000E-08
00211051	3.000E-07	1.700E-07	1.300E-07
00211053	5.000E-07	3.600E-07	1.400E-07
00211055	3.000E-07	9.000E-08	2.200E-07
00211056	3.000E-07	1.100E-07	1.900E-07
00211057	3.000E-07	1.500E-07	1.500E-07

0256-10082-2

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con. red)

FILE NAME: SC2221AB TITLE: DEVICE: EXPANDER MOTOROLA PART NO.: SC2221 BOEING PART NO.: 27-10333 19 SEP 75

SERIAL	19 1967 F (L)	20 1975 F (L)	21 DELTA F (L)
00211059	3.000E-07	1.600E-07	1.400E-07
00211060	3.000E-07	1.300E-07	1.700E-07
00211062	3.000E-07	1.700E-07	1.300E-07
00211063	3.000E-07	1.600E-07	1.400E-07
00211065	3.000E-07	8.000E-08	2.200E-07
00211068	3.000E-07	1.100E-07	1.900E-07
00211069	3.000E-07	1.400E-07	1.600E-07
00211070	3.000E-07	1.700E-07	1.300E-07
00211071	3.000E-07	9.000E-08	2.100E-07
00211072	3.000E-07	1.600E-07	1.400E-07
00211073	3.000E-07	1.500E-07	1.500E-07
00211075	3.000E-07	1.800E-07	1.200E-07
00211076	3.000E-07	5.000E-08	2.500E-07
00211077	3.000E-07	6.000E-08	2.400E-07
00211078	3.100E-06	2.900E-06	1.100E-07
00211079	3.000E-07	1.500E-07	1.500E-07
00211080	3.000E-07	9.000E-08	2.100E-07
00211081	3.000E-07	1.100E-07	1.900E-07
00211082	3.000E-07	1.500E-07	1.500E-07
00211084	1.000E-05	9.400E-06	1.100E-07
00211086	3.000E-07	1.300E-07	1.700E-07
00211092	3.000E-07	0.0	3.000E-07
00211093	3.000E-07	1.100E-07	1.900E-07
00211094	3.000E-07	1.500E-07	1.400E-07
00211095	3.000E-07	6.000E-08	2.400E-07
00211097	3.000E-07	1.100E-07	1.900E-07
00211099	3.000E-07	0.0	3.000E-07
00211099	3.000E-07	1.500E-07	1.500E-07
00211100	3.000E-07	6.000E-08	2.400E-07
00211101	3.000E-07	1.500E-07	1.500E-07
00211103	3.000E-07	9.000E-08	2.200E-07
00211104	3.000E-07	8.000E-08	2.200E-07
00211105	3.000E-07	1.400E-07	1.600E-07
00211106	3.000E-07	1.200E-07	1.800E-07
00211109	2.000E-06	1.920E-06	8.000E-08
00211111	3.000E-07	1.400E-07	1.600E-07
00211116	3.000E-07	7.000E-08	2.300E-07
00211118	3.000E-07	1.900E-07	1.200E-07
00211119	3.000E-07	1.400E-07	1.600E-07
00211120	4.100E-06	4.000E-06	1.000E-07
00211121	3.000E-07	1.600E-07	1.400E-07
00211122	3.000E-07	1.500E-07	1.500E-07
00211123	3.000E-07	7.000E-08	2.300E-07
00211124	3.000E-07	7.000E-08	2.100E-07
00211125	3.000E-07	6.000E-08	2.400E-07
00211126	3.000E-07	1.900E-07	1.100E-07
00211127	3.000E-07	1.900E-07	1.100E-07
00211128	3.000E-07	9.000E-08	2.200E-07
00211129	3.000E-07	1.700E-07	1.300E-07
00211130	3.000E-07	1.300E-07	1.700E-07

0256-10002-2

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Continued)

FILE NAME: SC2221AB TITLE: DEVICE: EXPANDER MOTOROLA PART NO.: SC2221 RINGING PART NO.: 27-10333 18 SEP 75

SERIAL	19		20		21	
	1967	1 (L)	1975	1 (L)	DELTA	1 (L)
00211201	3.000E-07	9.000E-08	2.100E-07	2.100E-07		
00211202	2.300E-06	2.140E-06	1.600E-07	1.600E-07		
00211206	3.000E-07	2.000E-07	1.000E-07	1.000E-07		
00211209	3.000E-07	7.000E-08	2.300E-07	2.300E-07		
00211213	3.000E-07	1.400E-07	1.600E-07	1.600E-07		
00211219	3.000E-07	7.000E-08	2.300E-07	2.300E-07		
00211220	3.000E-07	2.100E-07	9.000E-08	9.000E-08		
00211221	3.000E-07	5.000E-08	2.500E-07	2.500E-07		
00211222	3.000E-07	1.700E-07	1.300E-07	1.300E-07		
00211223	8.300E-06	8.290E-05	1.500E-07	1.500E-07		
00211224	3.000E-07	1.600E-07	1.400E-07	1.400E-07		
00211225	3.000E-07	1.500E-07	1.500E-07	1.500E-07		
00211226	3.000E-07	8.000E-08	2.200E-07	2.200E-07		
00211227	3.000E-07	9.000E-08	2.100E-07	2.100E-07		
00211228	3.000E-07	1.200E-07	1.800E-07	1.800E-07		
00211229	3.000E-07	9.000E-08	2.100E-07	2.100E-07		
00211230	3.000E-07	1.000E-07	2.000E-07	2.000E-07		
00211231	3.000E-07	4.000E-08	2.600E-07	2.600E-07		
00211232	3.000E-07	1.700E-07	1.300E-07	1.300E-07		
00211233	3.000E-07	1.100E-07	1.900E-07	1.900E-07		
00211236	3.000E-07	1.600E-07	1.400E-07	1.400E-07		
00211237	3.000E-07	8.000E-08	2.200E-07	2.200E-07		
00211238	3.000E-07	1.500E-07	1.500E-07	1.500E-07		
00211239	3.000E-07	1.100E-07	1.900E-07	1.900E-07		
00211290	3.000E-07	7.000E-08	2.300E-07	2.300E-07		
00211291	3.000E-07	1.400E-07	1.800E-07	1.800E-07		
00211292	3.000E-07	2.100E-07	9.000E-08	9.000E-08		
00211293	3.000E-07	1.300E-07	1.700E-07	1.700E-07		
00211295	3.000E-07	1.600E-07	1.400E-07	1.400E-07		
00211297	3.000E-07	1.000E-07	2.000E-07	2.000E-07		
00211299	3.000E-07	1.000E-07	2.000E-07	2.000E-07		
00211301	3.000E-07	6.300E-07	2.300E-07	2.300E-07		
00211303	3.000E-07	2.200E-07	8.000E-08	8.000E-08		
00211304	3.000E-07	1.800E-07	1.200E-07	1.200E-07		
00211361	3.000E-07	1.700E-07	1.300E-07	1.300E-07		
00211363	3.000E-07	1.000E-07	2.000E-07	2.000E-07		
00211365	3.000E-07	1.700E-07	1.300E-07	1.300E-07		
00211367	3.000E-07	8.000E-08	2.200E-07	2.200E-07		
00211368	3.000E-07	1.700E-07	1.300E-07	1.300E-07		
00211373	3.000E-07	1.000E-07	2.000E-07	2.000E-07		
00211374	3.000E-07	1.600E-07	1.400E-07	1.400E-07		
00211375	3.000E-07	1.700E-07	1.300E-07	1.300E-07		
00211376	3.000E-07	2.100E-07	9.000E-08	9.000E-08		
00211377	3.000E-07	2.200E-07	8.000E-08	8.000E-08		
00211378	3.000E-07	7.000E-08	2.300E-07	2.300E-07		
00211433	3.000E-07	0.0	3.000E-07	3.000E-07		
00211434	3.000E-07	7.000E-08	2.300E-07	2.300E-07		
00211436	3.000E-07	1.200E-07	8.000E-08	8.000E-08		
00211443	3.000E-07	7.000E-08	2.300E-07	2.300E-07		

TABLE 5-VII. TEST RESULTS FOR EXPANDER (Con' , med)

18 SEP 75

MOEING PART NO.: 27-10333

MOTOROLA PART NO.: SC2221

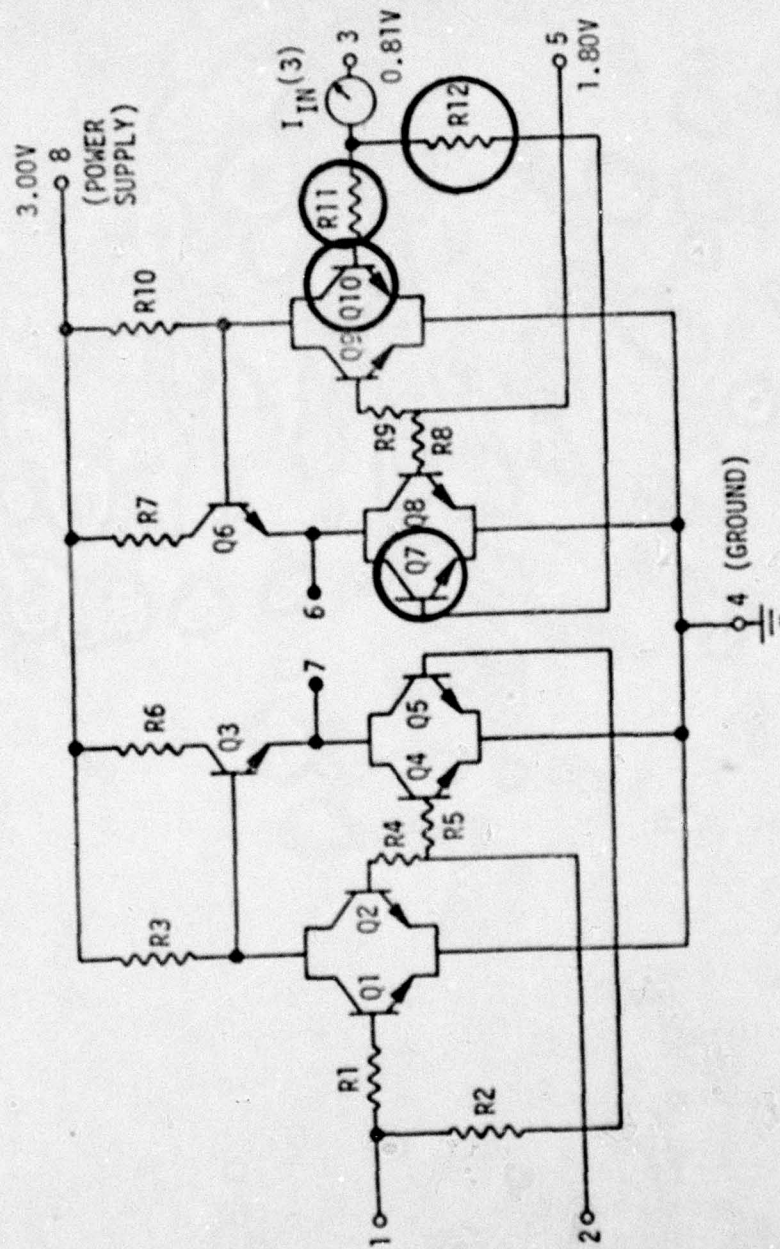
FILE NAME: SC2221A8 TITLE: DEVICE: EXPANDER

SERIAL	19 1967 (L)	20 1975 (L)	21 DELTA (L)
00211444	3.000E-07	0.0	3.000E-07
00211445	3.000E-07	7.000E-08	2.300E-07
00211446	3.000E-07	9.000E-08	2.100E-07

APPENDIX

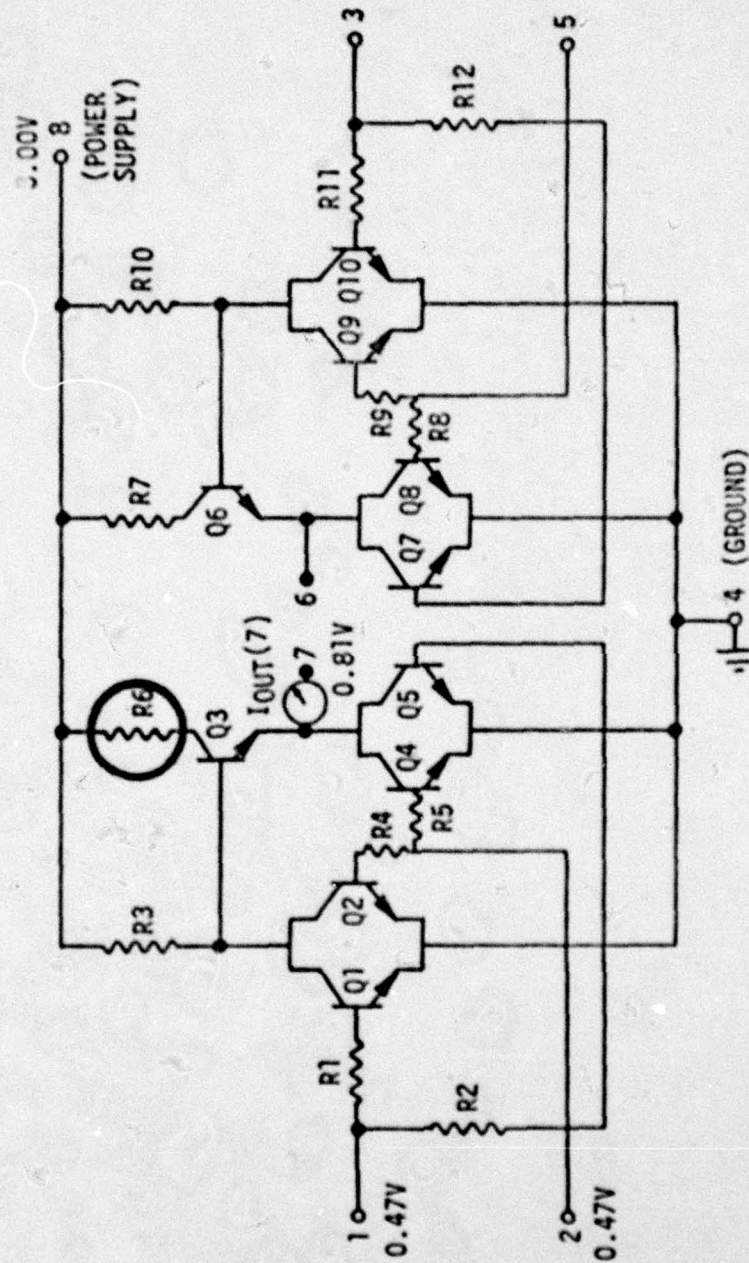
The input conditions used to measure each parameter (see Figure 5.0, pp 5-1) are defined in the circuit diagrams that follow. The diagrams are grouped by logic function, starting with the Twin Buffer devices and concluding with the Expander Devices. The Figure No. of each diagram is as follows:

TWIN BUFFER (Fig. A-1)	ADDER (Fig. A-2)	DOUBLE GATE (Fig. A-3)	4-INPUT GATE (Fig. A-4)	HALF ADDER (Fig. A-5)	REGISTER (Fig. A-6)	EXPANDER (Fig. A-7)
$I_{IN}^{(3)}$ (a)	$I_{IN}^{(1)}$ (a)	$I_{IN}^{(1)}$ (a)	$I_{IN}^{(1)}$ (a)	$I_{IN}^{(1)}$ (a) $I_{IN}^{(3)}$ (b)	$I_{IN}^{(2)}$ (a)	$I_{IN}^{(1)}$ (a)
$I_{OUT}^{(7)}$ (b)	$I_{OUT}^{(6)}$ (b) $I_{OUT}^{(7-1)}$ (c)	$I_{OUT}^{(7)}$ (b)	$I_{OUT}^{(7)}$ (b)	$I_{OUT}^{(7-1)}$ (c)	$I_{OUT}^{(6-1)}$ (b)	NO TEST
$V_{OUT}^{(7-1)}$ (c)	NO TEST	$V_{OUT}^{(6-1)}$ (c)	$V_{OUT}^{(6-1)}$ (c)	NO TEST	$V_{OUT}^{(5-1)}$ (c)	$V_{OUT}^{(6-1)}$ (b)
$V_{OL}^{(7-1)}$ (d)	$V_{OL}^{(7-1)}$ (d)	$V_{OL}^{(6-1)}$ (d) $V_{OL}^{(7-1)}$ (e)	$V_{OL}^{(6-1)}$ (d)	$V_{OL}^{(6)}$ (d)	$V_{OL}^{(6-1)}$ (d)	$V_{OL}^{(6-1)}$ (c) $V_{OL}^{(7-1)}$ (d)
$I_{RT}^{(1-2)}$ (e) $I_{RT}^{(3-5)}$ (f)	$I_{RT}^{(1,2,3,5)}$ (e)	I_{RT} (f)	I_{RT} (e)	I_{RT} (e)	I_{RT} (e)	$I_{RT}^{(1,2,3,5)}$ (e)
$I_L^{(8)}$ (g)	$I_L^{(8)}$ (f)	$I_L^{(8)}$ (g)	$I_L^{(8)}$ (f)	$I_L^{(8)}$ (f)	$I_L^{(8)}$ (f)	$I_L^{(6,7,8)}$ (f)
NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	$I_{CEX}^{(7)}$ (g)



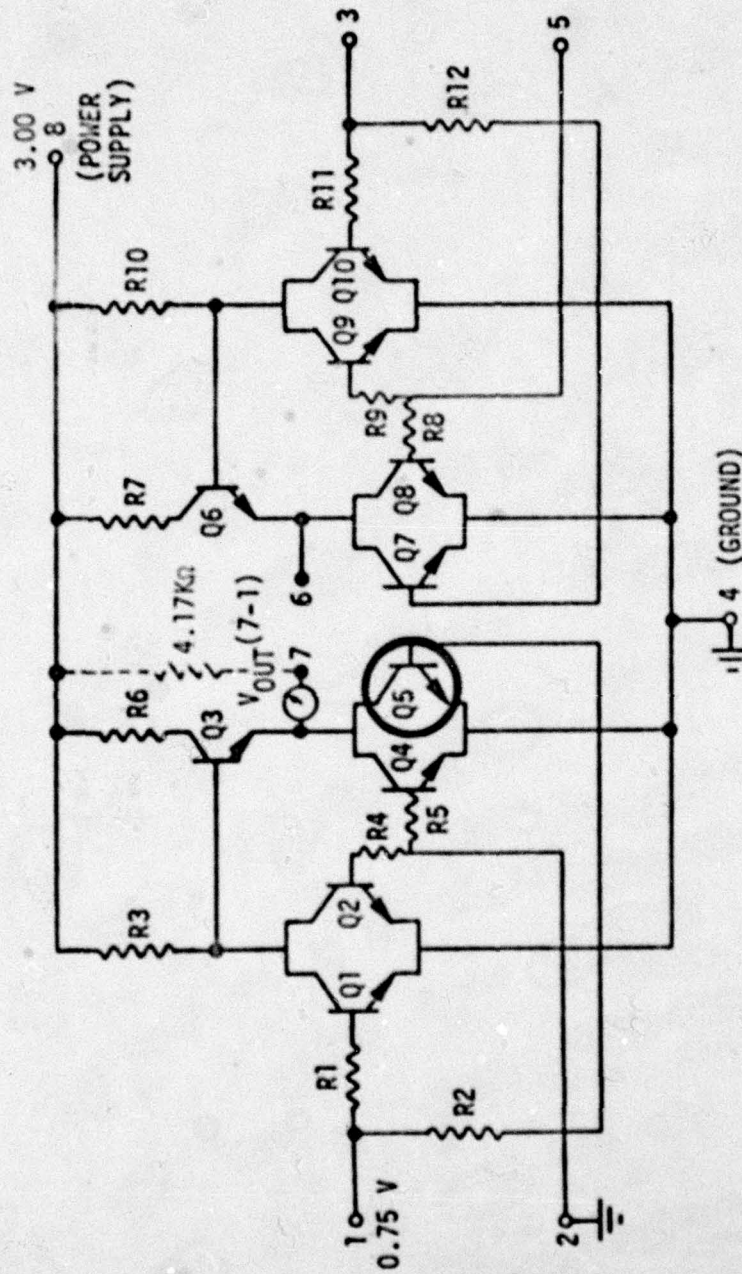
a. SCHEMATIC FOR $I_{IN}(3)$ TEST ($R_{11} + R_{12}$ RESISTANCE + $Q7 + Q10$ BASE EMITTER CHECK AT SATURATION VOLTAGE)

FIGURE A-1. TEST CONDITIONS FOR TWIN BUFFER



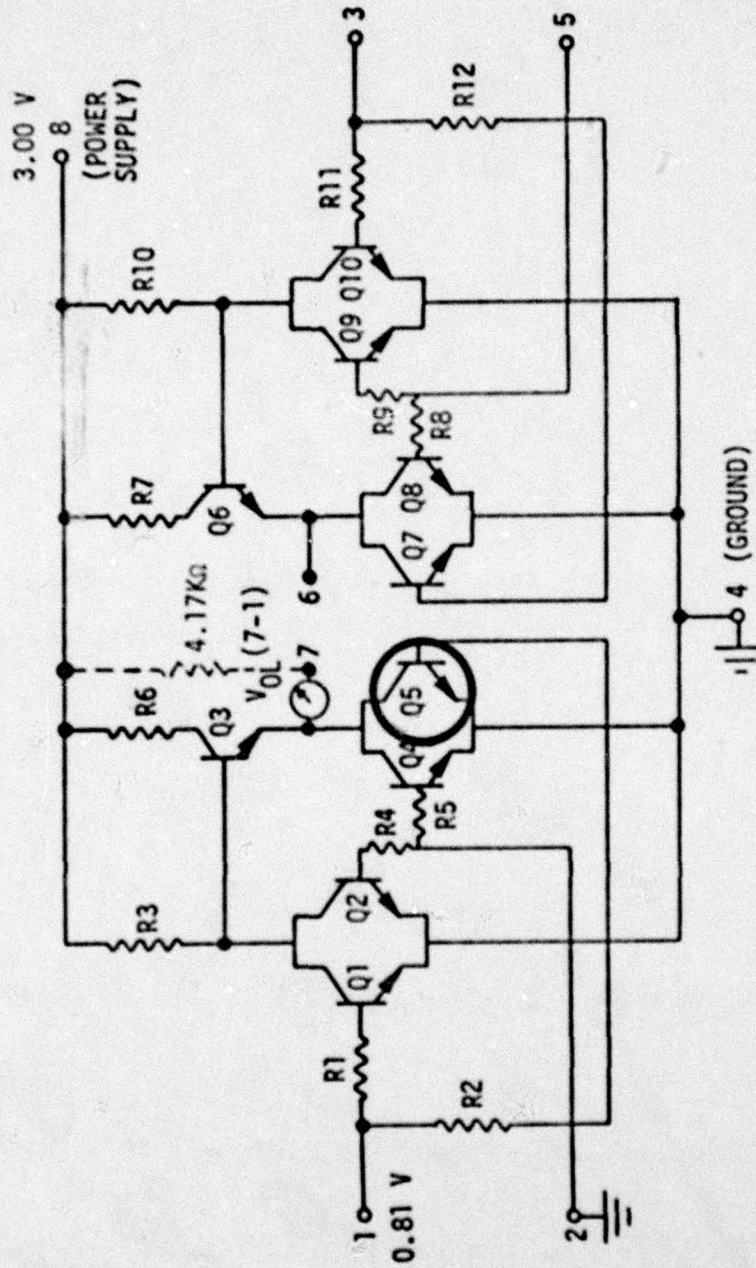
b. SCHEMATIC FOR $I_{OUT}(7)$ TEST (R_6 RESISTANCE CHECK)

FIGURE A-1. TEST CONDITIONS FOR TWIN BUFFER



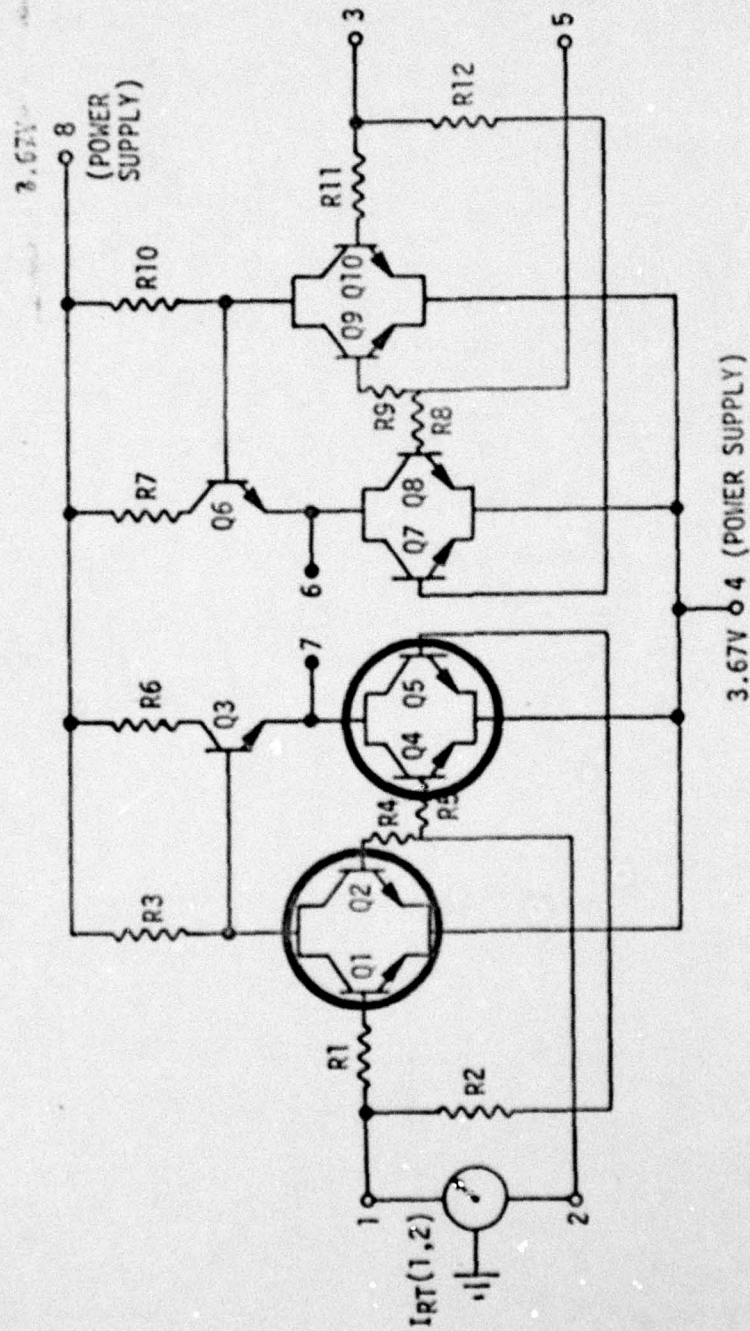
c. SCHEMATIC FOR $V_{OUT}(7-1)$ TEST (Q5 VOLTAGE DROP AT MINIMUM "ON" CONDITION)

FIGURE A-1. TEST CONDITIONS FOR TWIN BUFFER



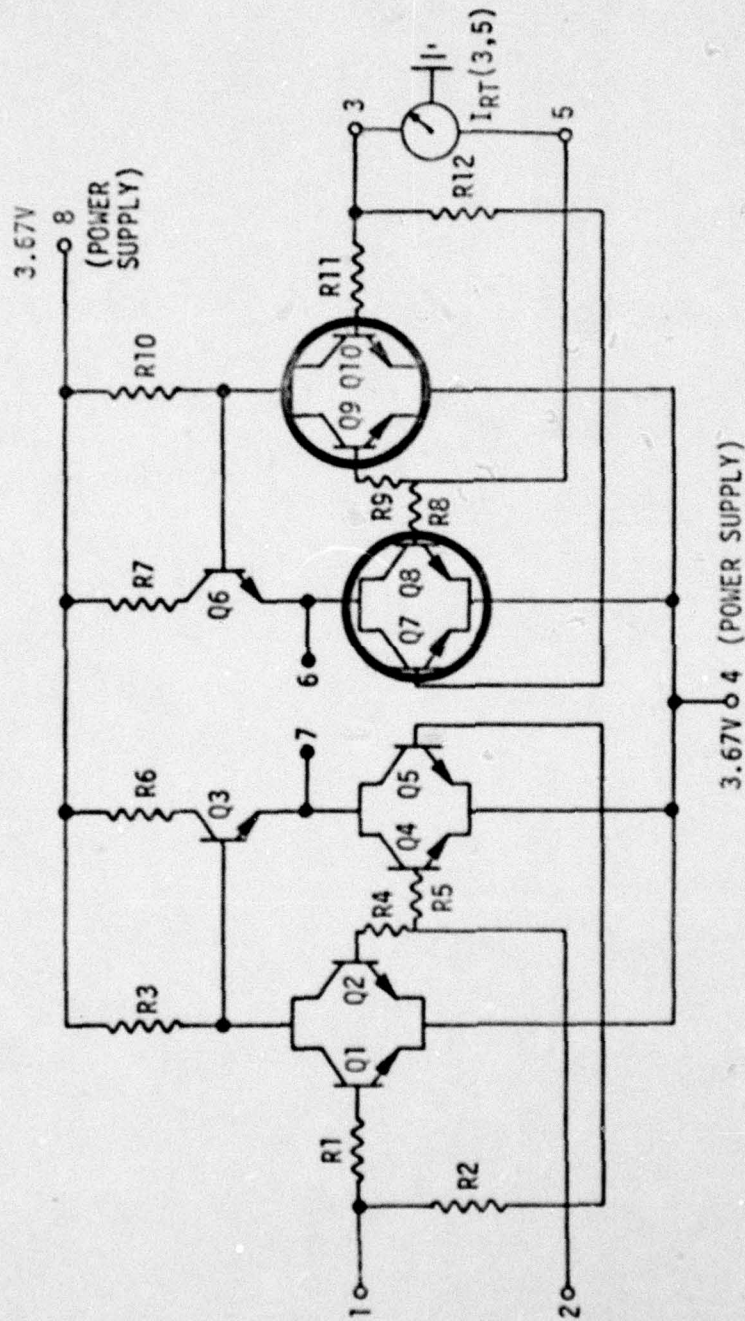
d. SCHEMATIC FOR V_{OL} (7-1) TEST (Q5 VOLTAGE DROP AT SATURATION)

FIGURE A-1. TEST CONDITIONS FOR TWIN BUFFER



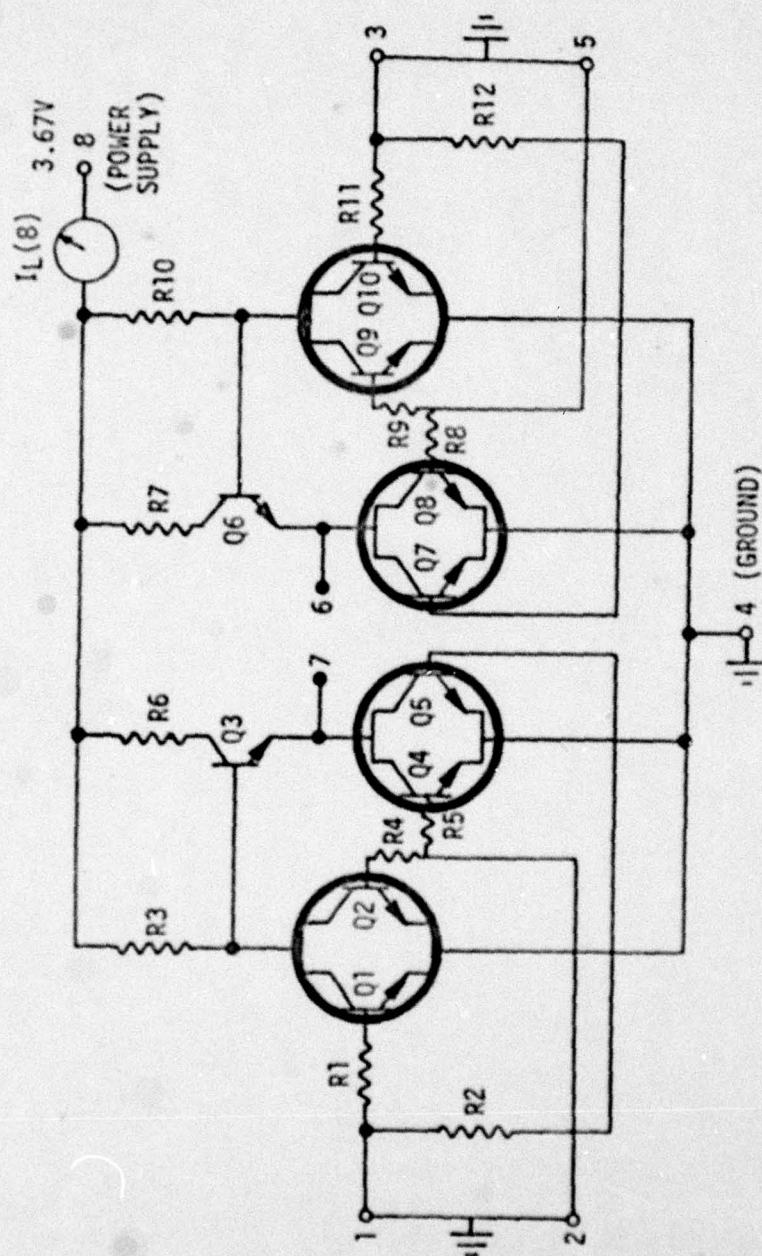
e. SCHEMATIC FOR $I_{RT}(1,2)$ TEST (Q1+Q2+Q4+Q5 BASE EMITTER JUNCTION LEAKAGE CURRENT)

FIGURE A-1. TEST CONDITIONS FOR TWIN BUFFER



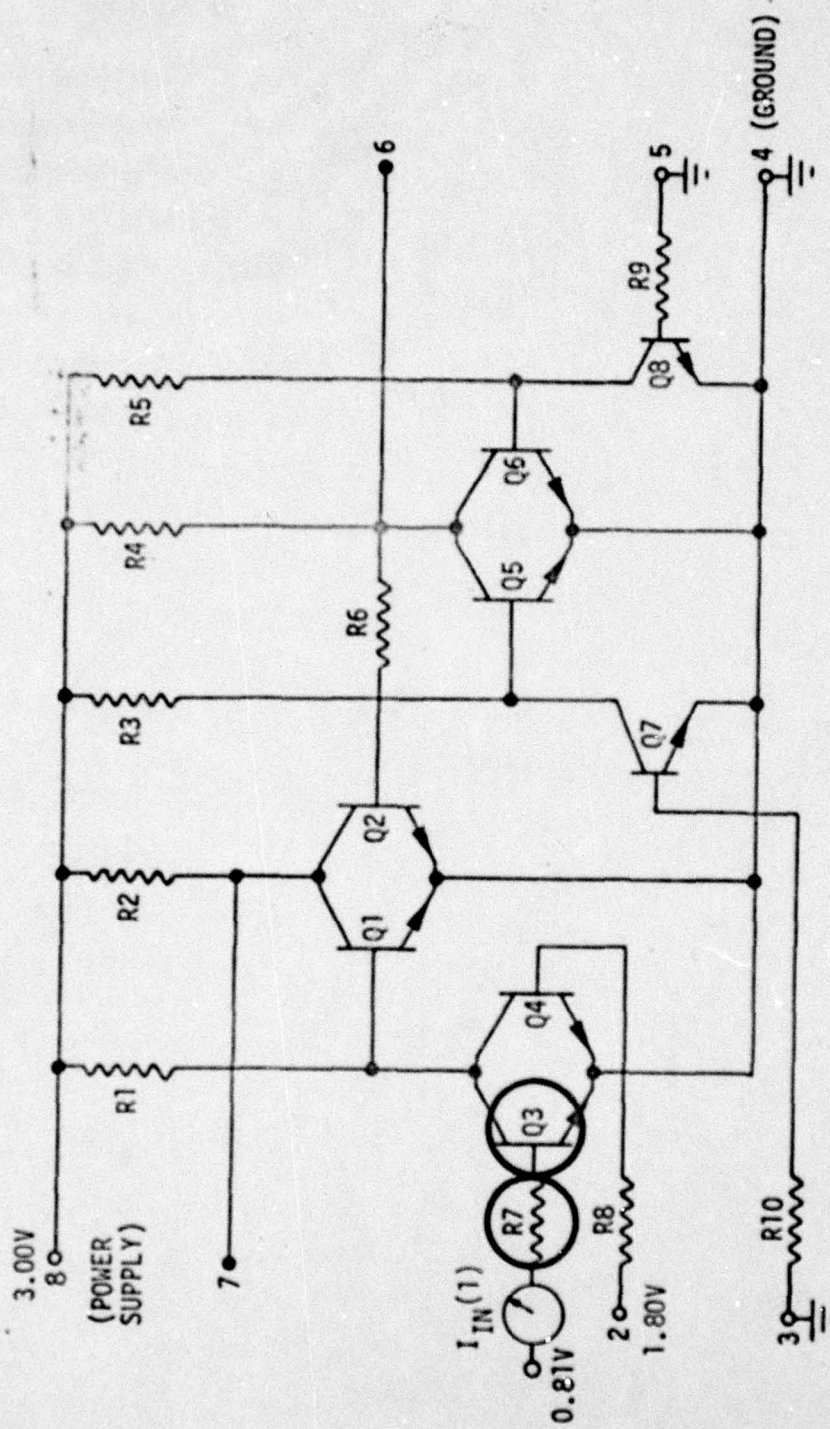
f. SCHEMATIC FOR $I_{RT}(3,5)$ TEST (Q7+Q8+Q9+Q10 BASE EMITTER JUNCTION LEAKAGE CURRENT)

FIGURE A-1. TEST CONDITIONS FOR TWIN BUFFER



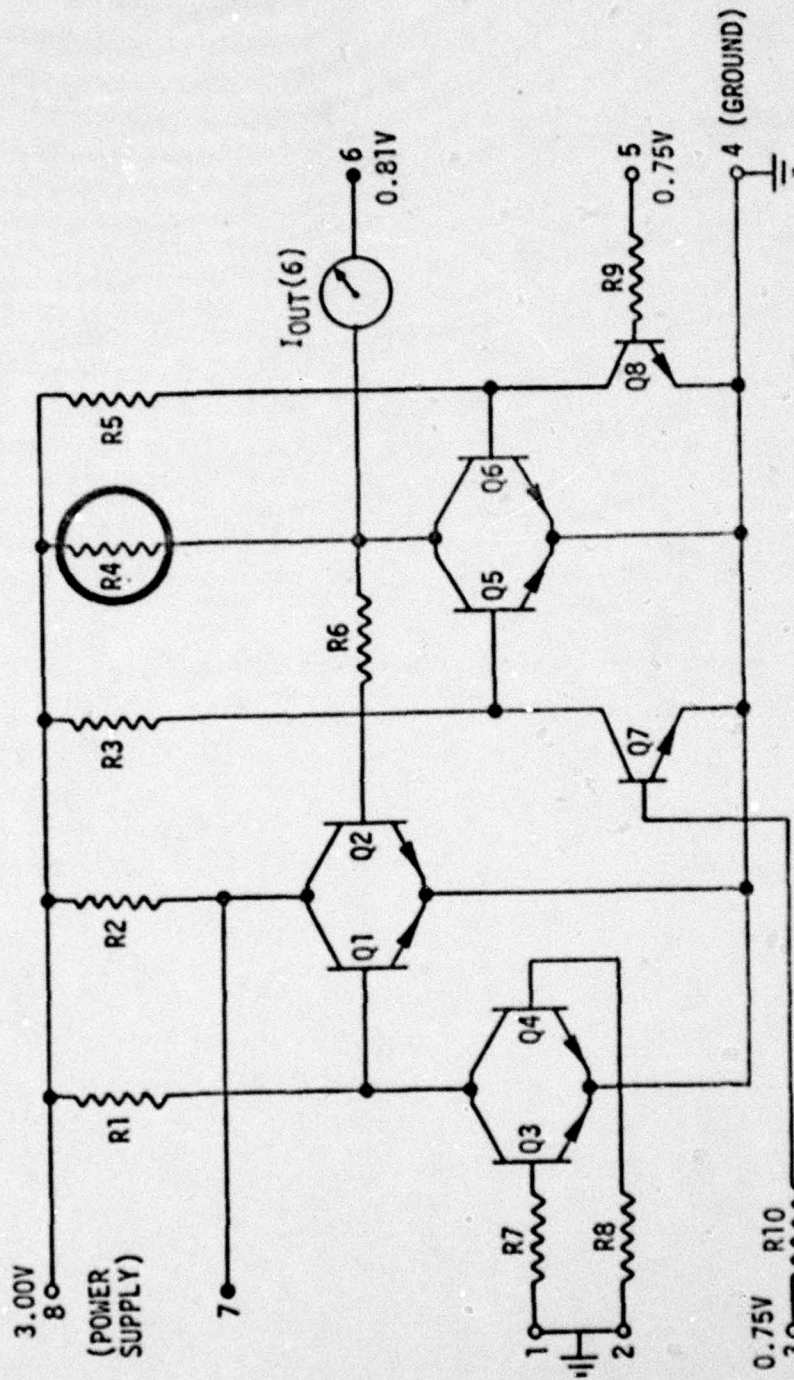
g. SCHEMATIC FOR $I_L(8)$ TEST ($Q1+Q2+Q4+Q5+Q7+Q8+Q9+Q10$ LEAKAGE CURRENT)

FIGURE A-1. TEST CONDITIONS FOR TWIN BUFFER



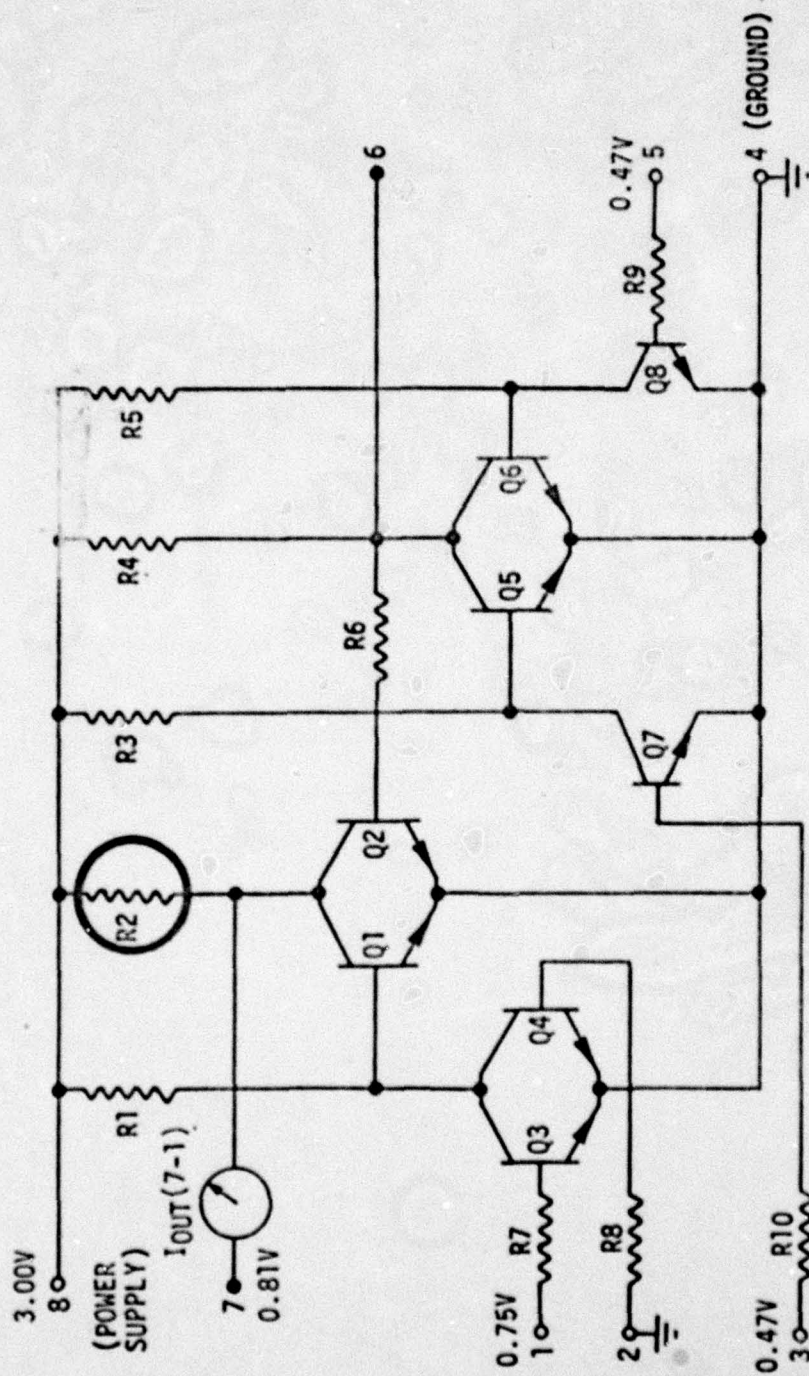
a. SCHEMATIC FOR $I_{IN(1)}$ TEST (R7 RESISTANCE AND Q3 BASE EMITTER CHECK AT SATURATION VOLTAGE)

FIGURE A-2. TEST CONDITIONS FOR ADDER



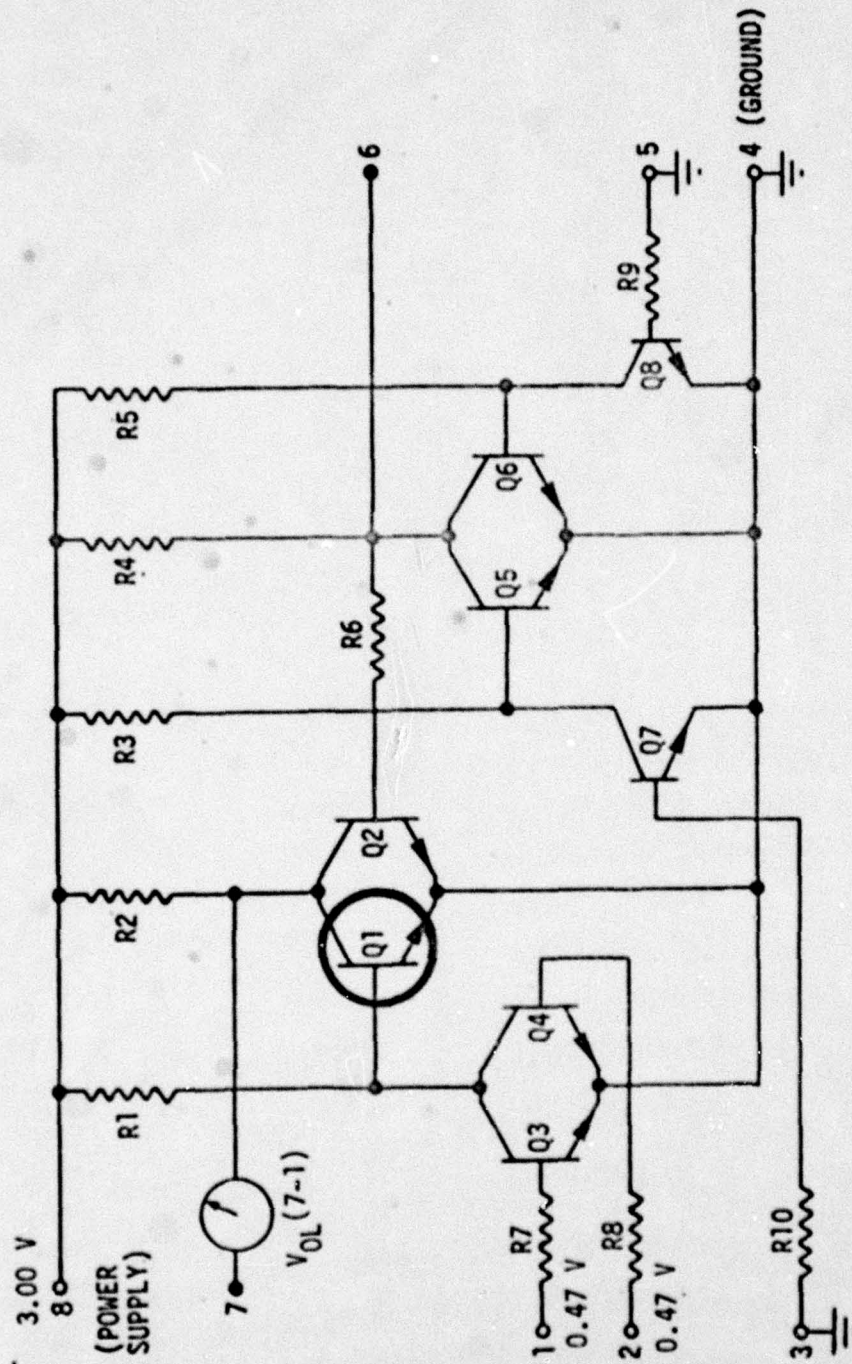
b. SCHEMATIC FOR $I_{OUT}(6)$ TEST (R_4 RESISTANCE CHECK)

FIGURE A-2. TEST CONDITIONS FOR ADDER



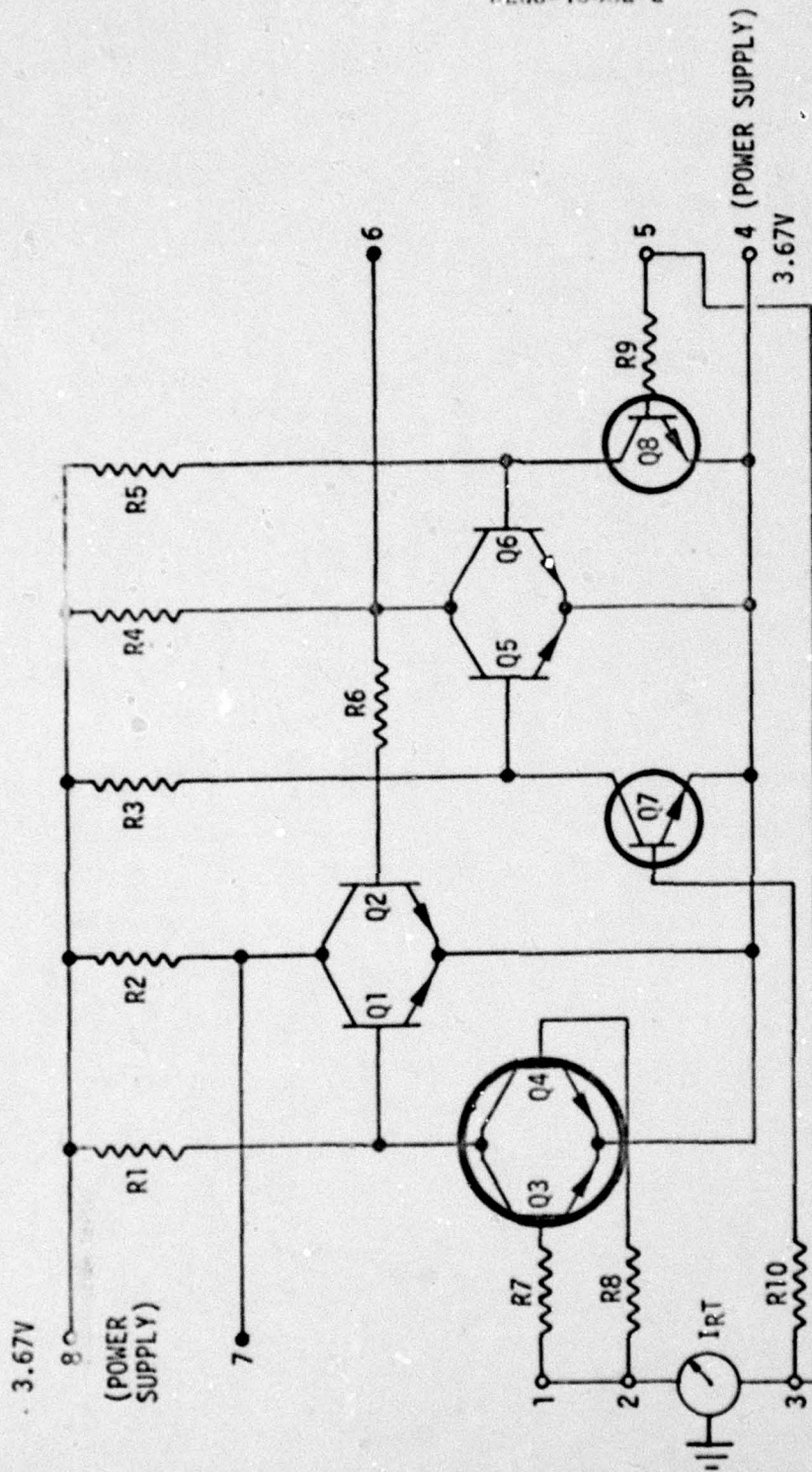
c. SCHEMATIC FOR $I_{OUT}(7-1)$ TEST (R_2 RESISTANCE CHECK)

FIGURE A-2. TEST CONDITIONS FOR ADDER



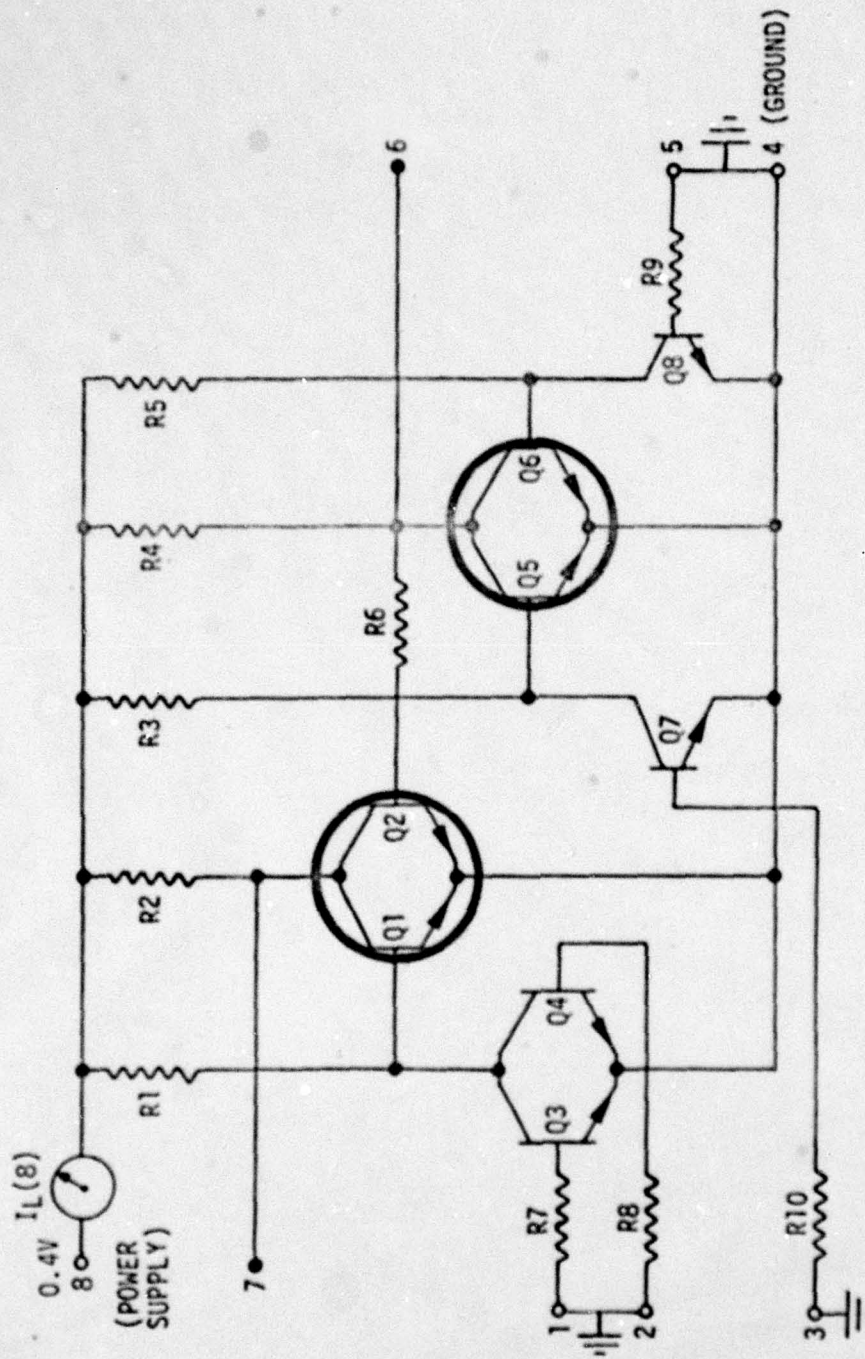
d. SCHEMATIC FOR $V_{OL}(7-1)$ TEST (Q1 VOLTAGE DROP AT SATURATION)

FIGURE A-2. TEST CONDITIONS FOR ADDER



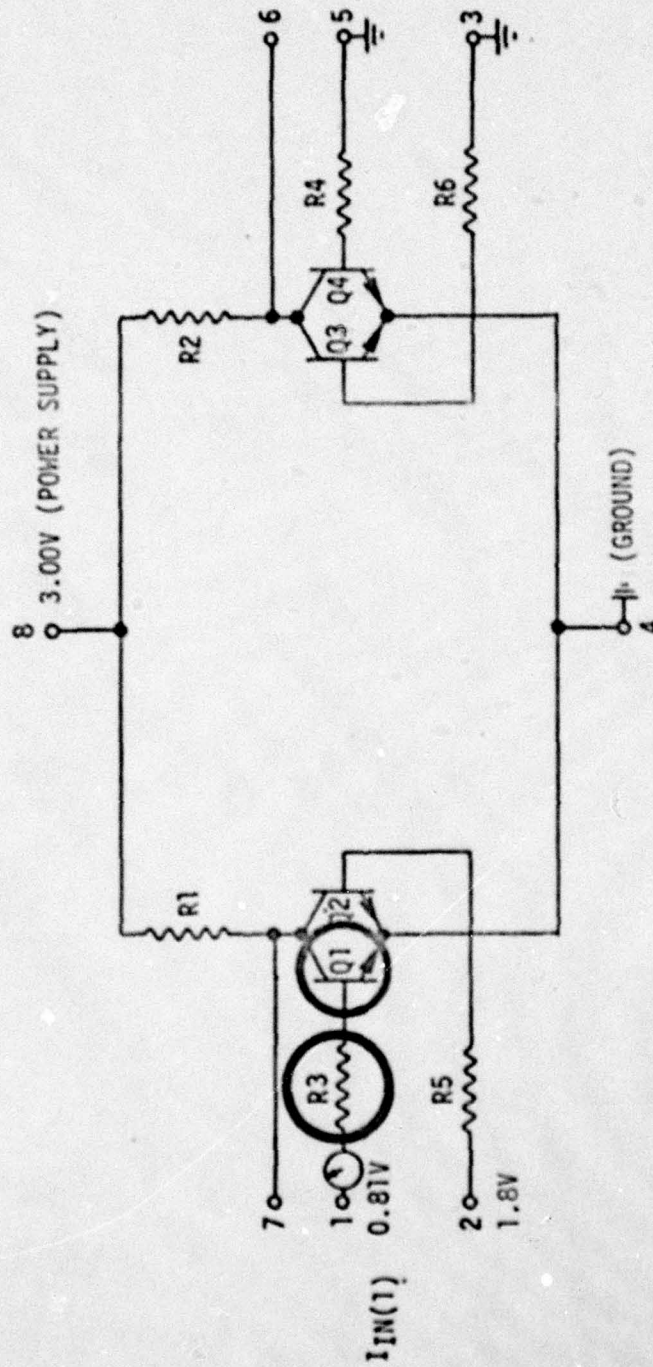
e. SCHEMATIC FOR I_{RT} (1,2,3,5) TEST (Q3+Q4+Q7+Q8 BASE EMITTER JUNCTION LEAKAGE CURRENT)

FIGURE A-2. TEST CONDITIONS FOR ADDER



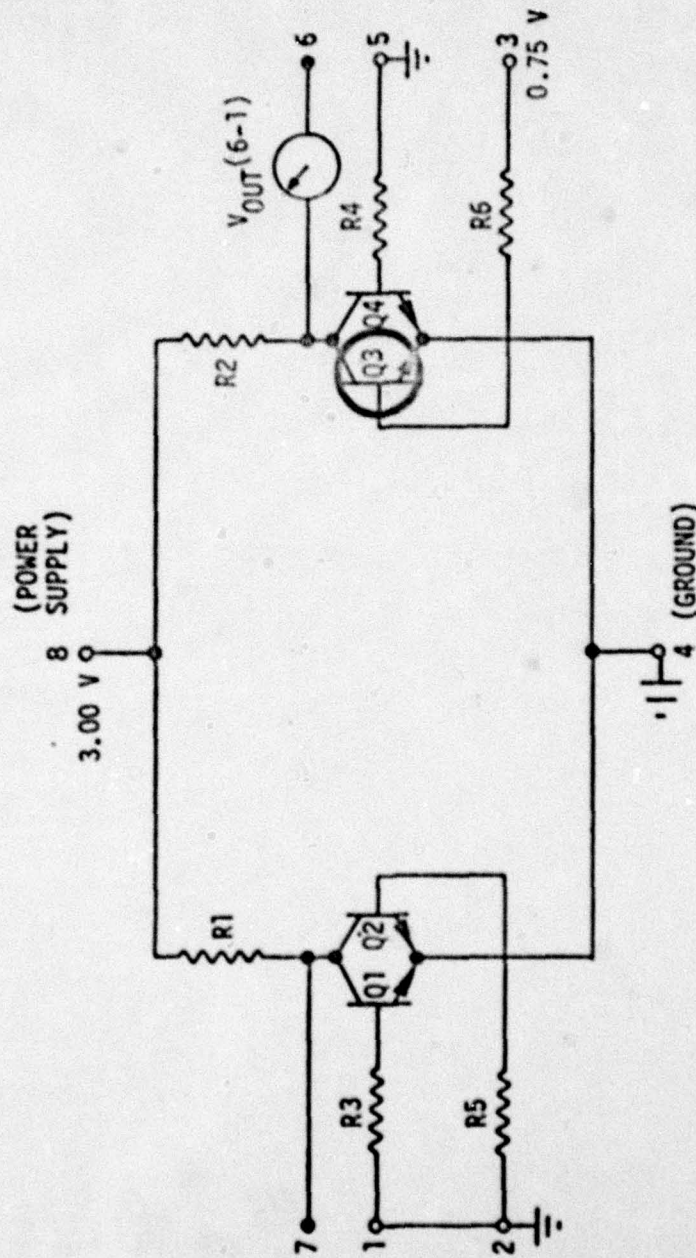
f. SCHEMATIC FOR $I_L(8)$ TEST ($Q1+Q2+Q5+Q6$ LEAKAGE CURRENT JUST BELOW MAX "OFF" VOLTAGE)

FIGURE A-2. TEST CONDITIONS FOR ADDER



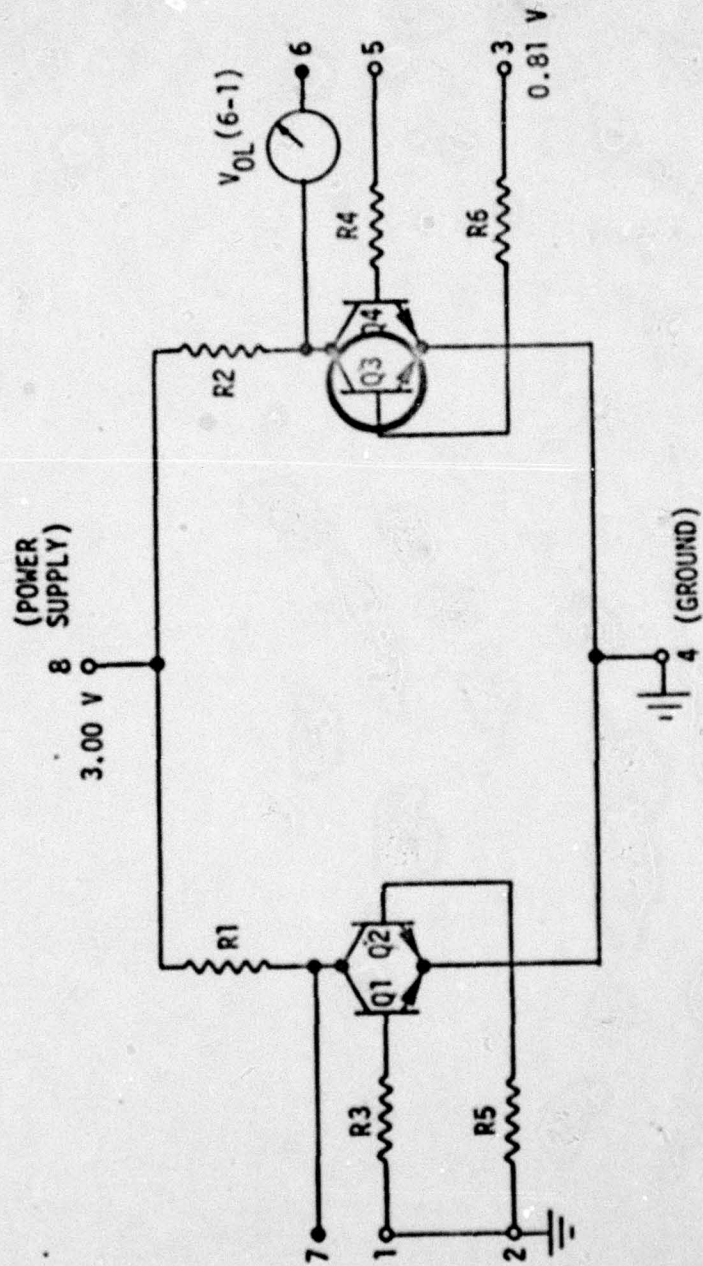
a. SCHEMATIC FOR $I_{IN}(1)$ TEST ($R3$ RESISTANCE + $Q1$ BASE EMITTER CHECK AT SATURATION VOLTAGE)

FIGURE A-3. TEST CONDITIONS FOR DOUBLE GATE



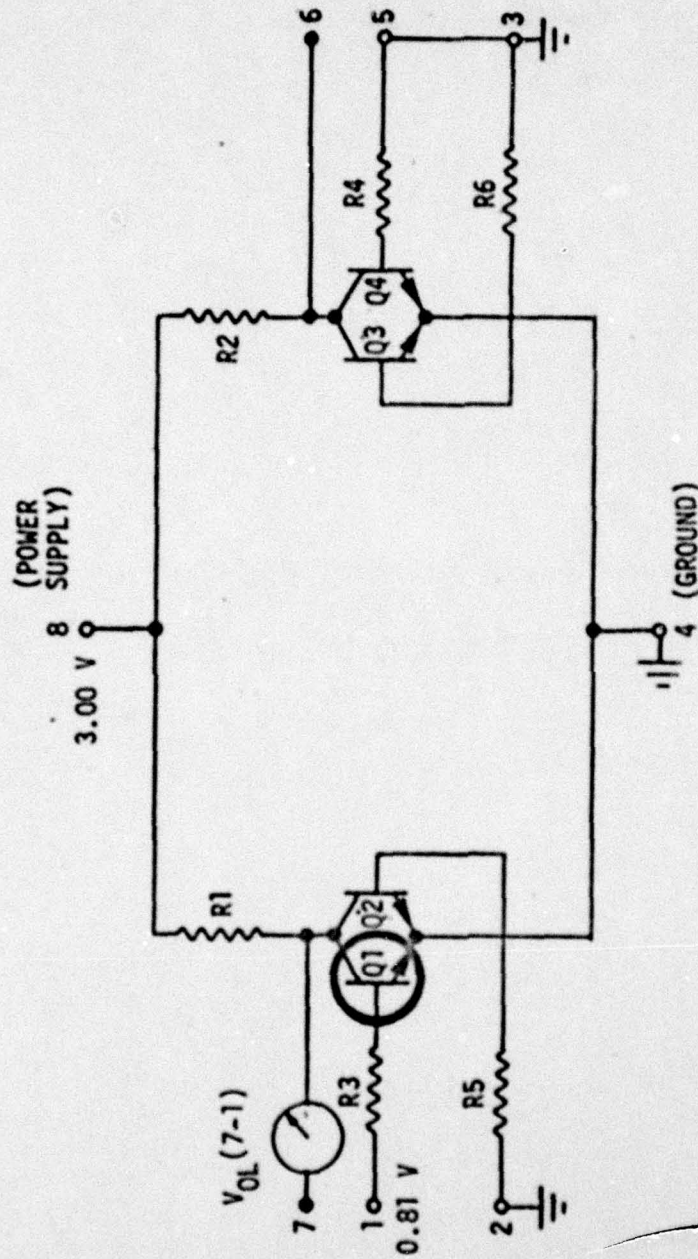
C. SCHEMATIC FOR $V_{OUT}(6-1)$ TEST (Q3 VOLTAGE DROP AT MINIMUM "ON" CONDITION)

FIGURE A-3. TEST CONDITIONS FOR DOUBLE GATE



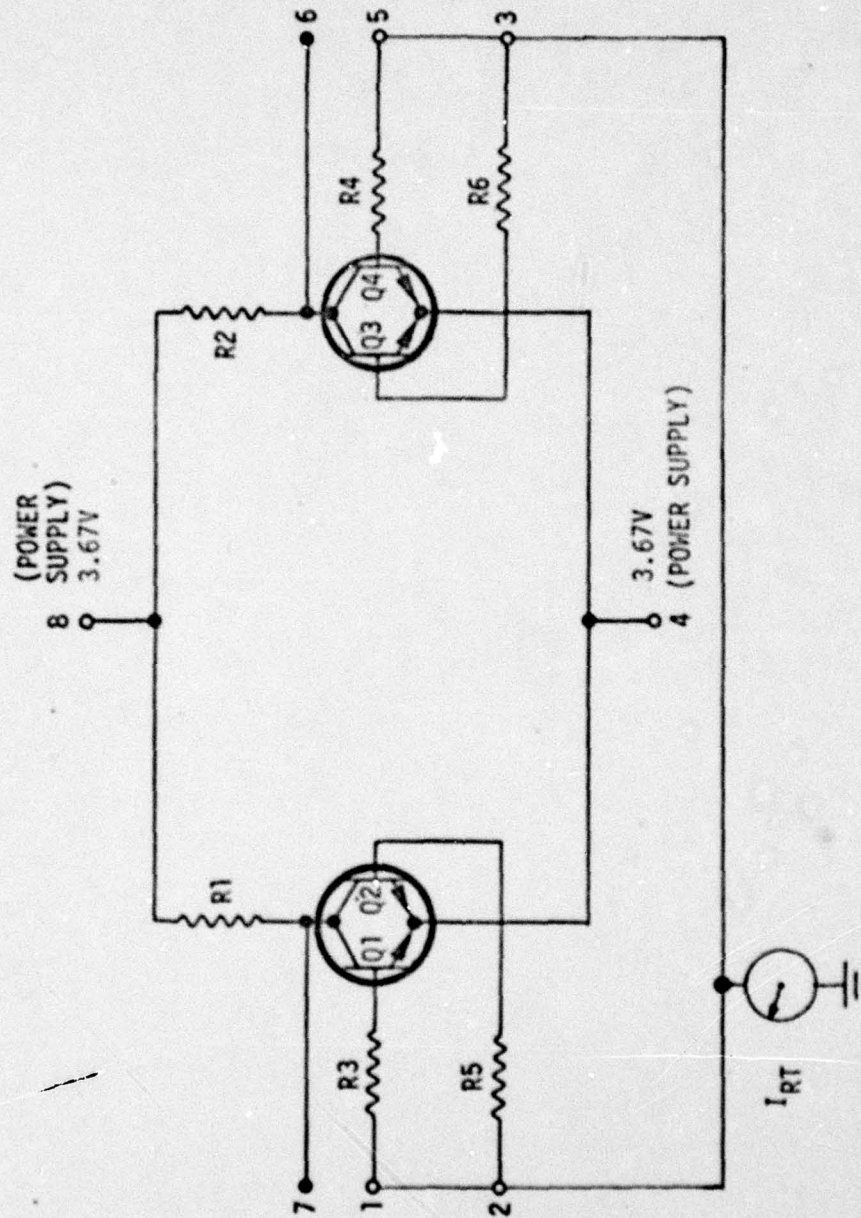
d. SCHEMATIC FOR $V_{OL}(6-1)$ TEST (Q3 VOLTAGE DROP AT SATURATION)

FIGURE A-3. TEST CONDITIONS FOR DOUBLE GATE



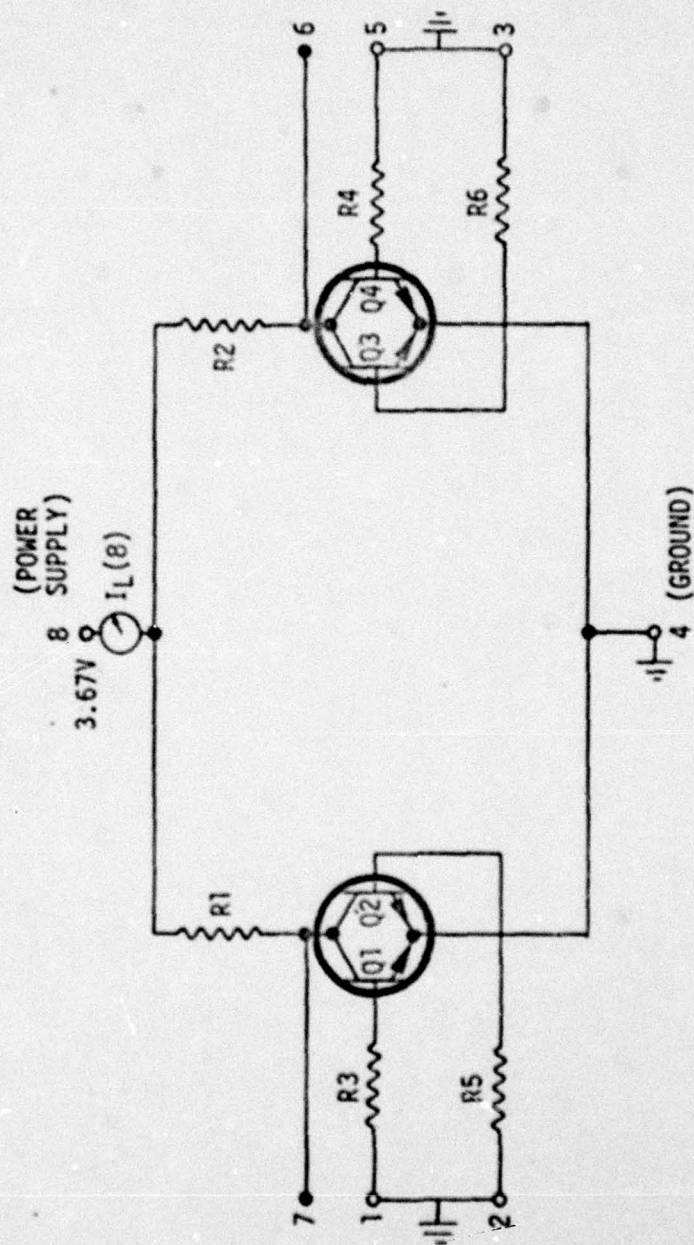
e. SCHEMATIC FOR $V_{OL}(7-1)$ TEST (Q1 VOLTAGE DROP AT SATURATION)

FIGURE A-3. TEST CONDITIONS FOR DOUBLE GATE



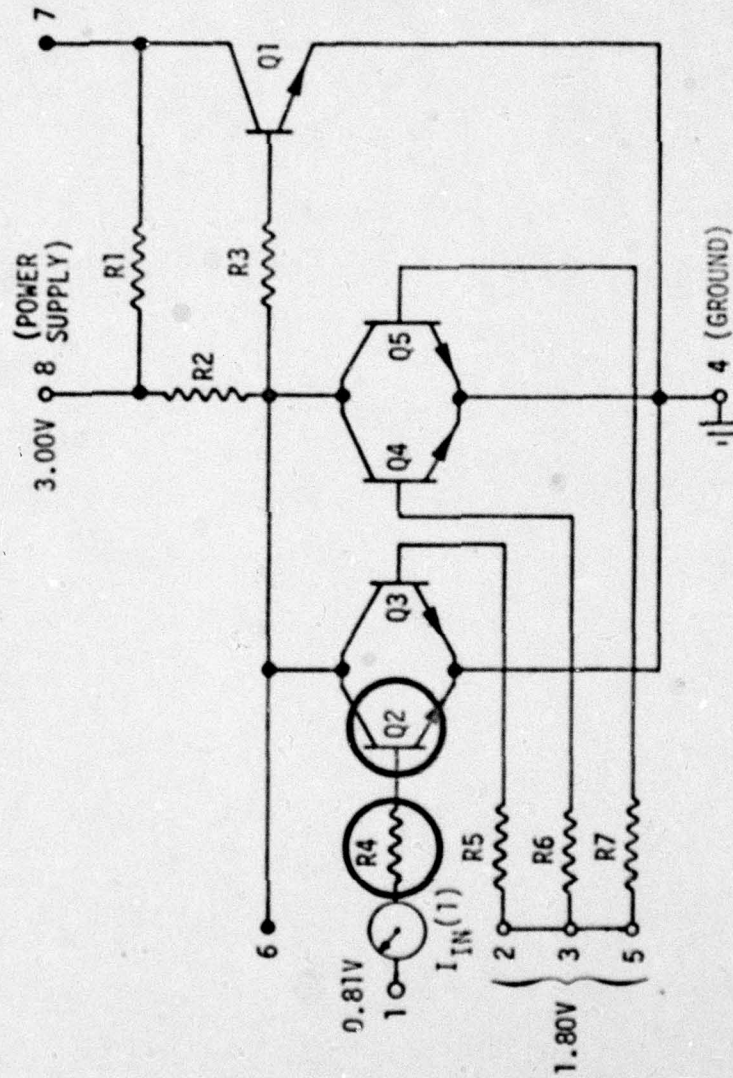
f. SCHEMATIC FOR I_{RT} TEST (Q1+Q2+Q3+Q4 BASE EMITTER JUNCTION LEAKAGE CURRENT)

FIGURE A-3. TEST CONDITIONS FOR DOUBLE GATE



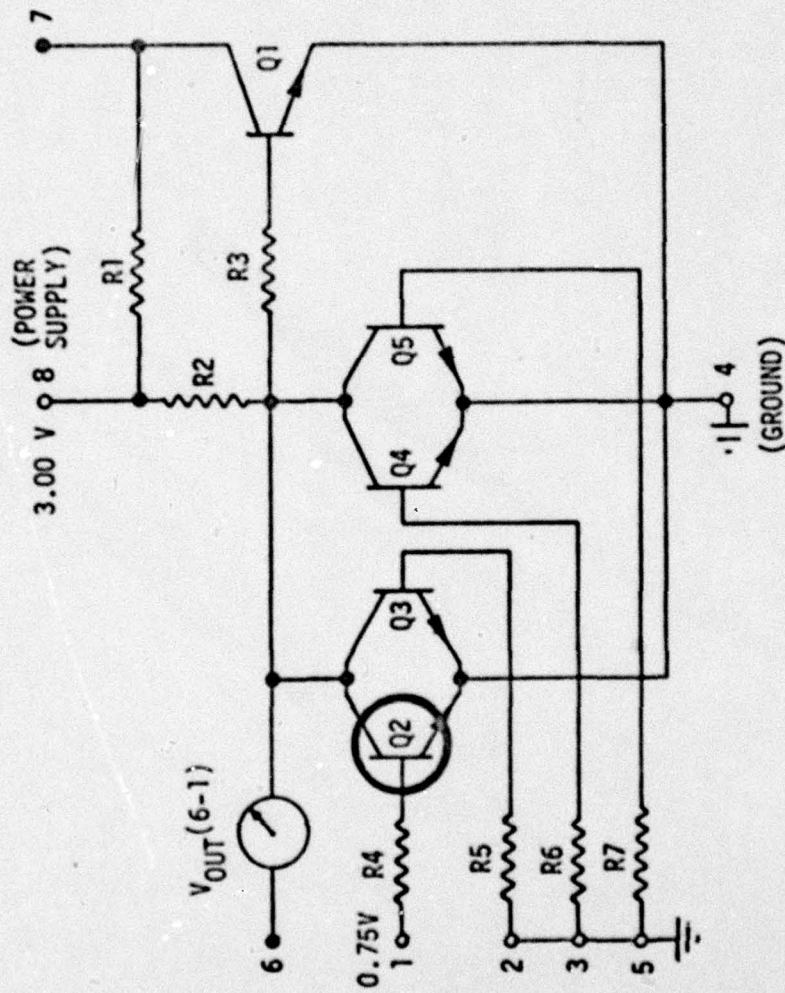
9. SCHEMATIC FOR $I_L(8)$ TEST (Q1+Q2+Q3+Q4 LEAKAGE CURRENT)

FIGURE A-3. TEST CONDITIONS FOR DOUBLE GATE



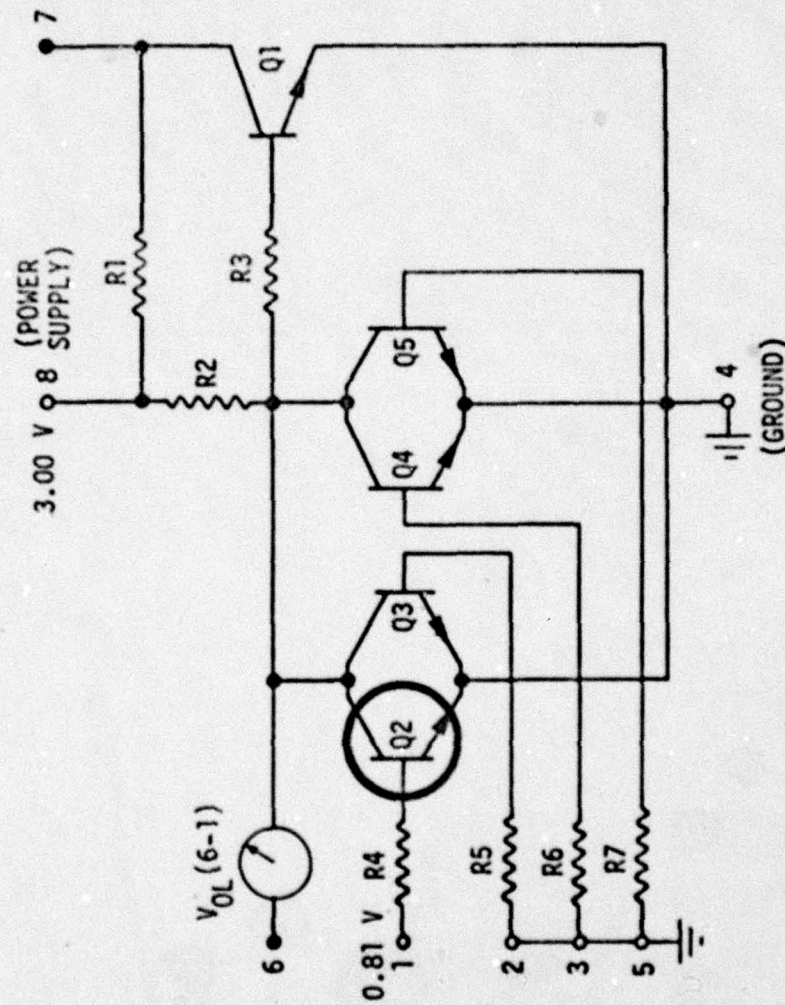
a. SCHEMATIC FOR $I_{IN}(1)$ TEST ($R4$ RESISTANCE + $Q2$ BASE EMITTER CHECK AT SATURATION VOLTAGE)

FIGURE A-4. TEST CONDITIONS FOR 4-INPUT GATE



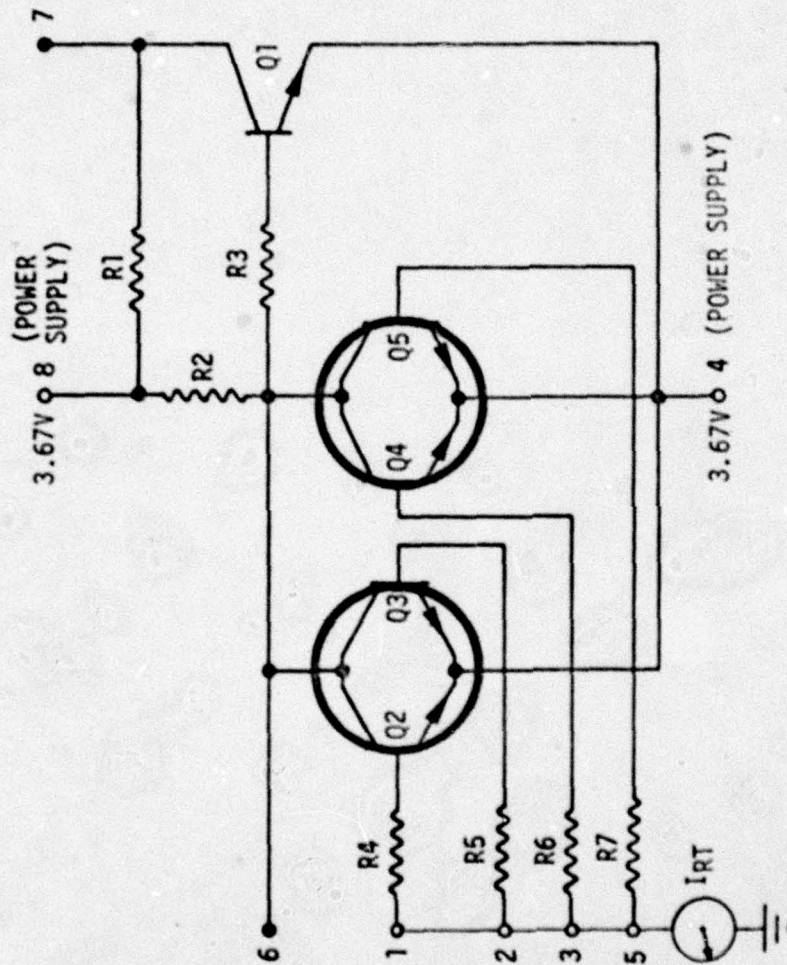
c. SCHEMATIC FOR $V_{OUT}(6-1)$ TEST (Q2 VOLTAGE DROP AT MINIMUM "ON" CONDITION)

FIGURE A-4. TEST CONDITIONS FOR 4-INPUT GATE



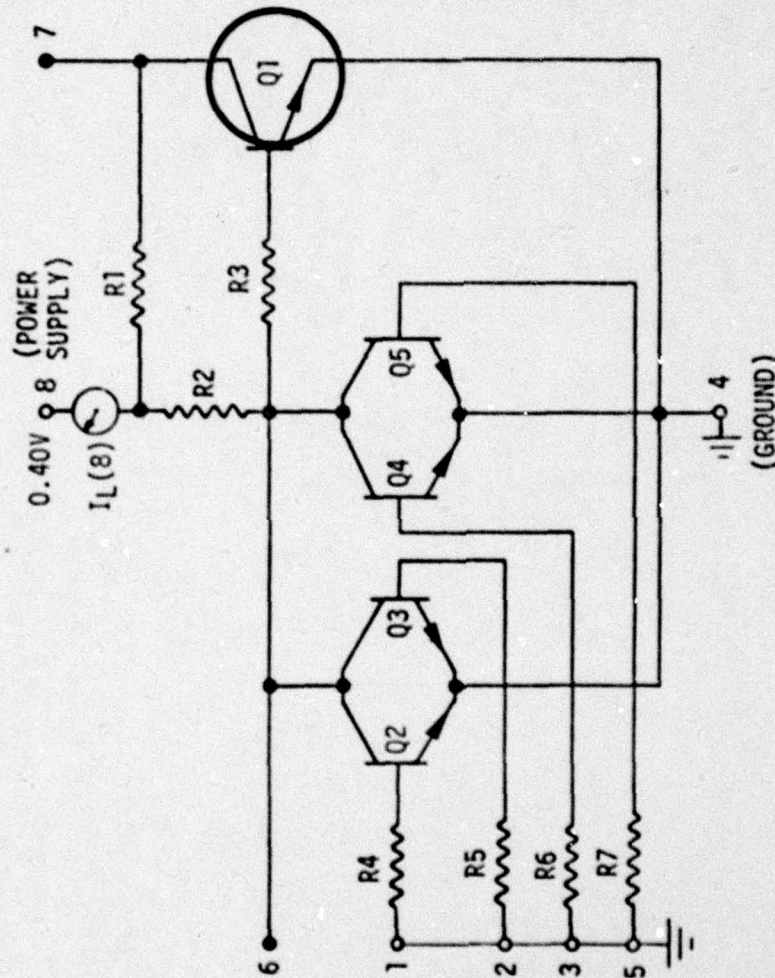
d. SCHEMATIC FOR $V_{OL}(6-1)$ TEST ($Q2$ VOLTAGE DROP AT SATURATION)

FIGURE A-4. TEST CONDITIONS FOR 4-INPUT GATE



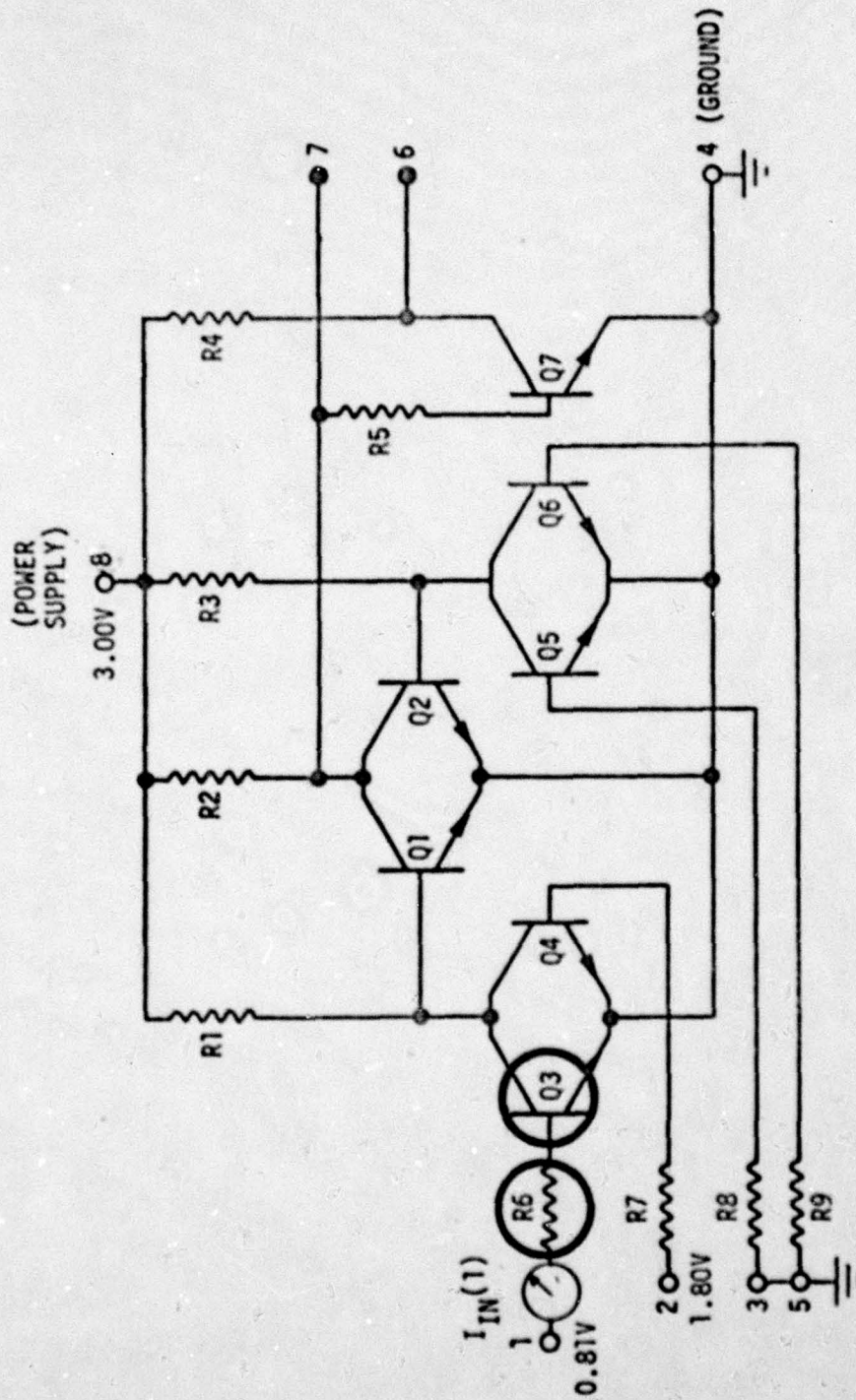
e. SCHEMATIC FOR I_{RT} TEST ($Q2+Q3+Q4+Q5$ BASE EMITTER JUNCTION LEAKAGE CURRENT)

FIGURE A-4. TEST CONDITIONS FOR 4-INPUT GATE



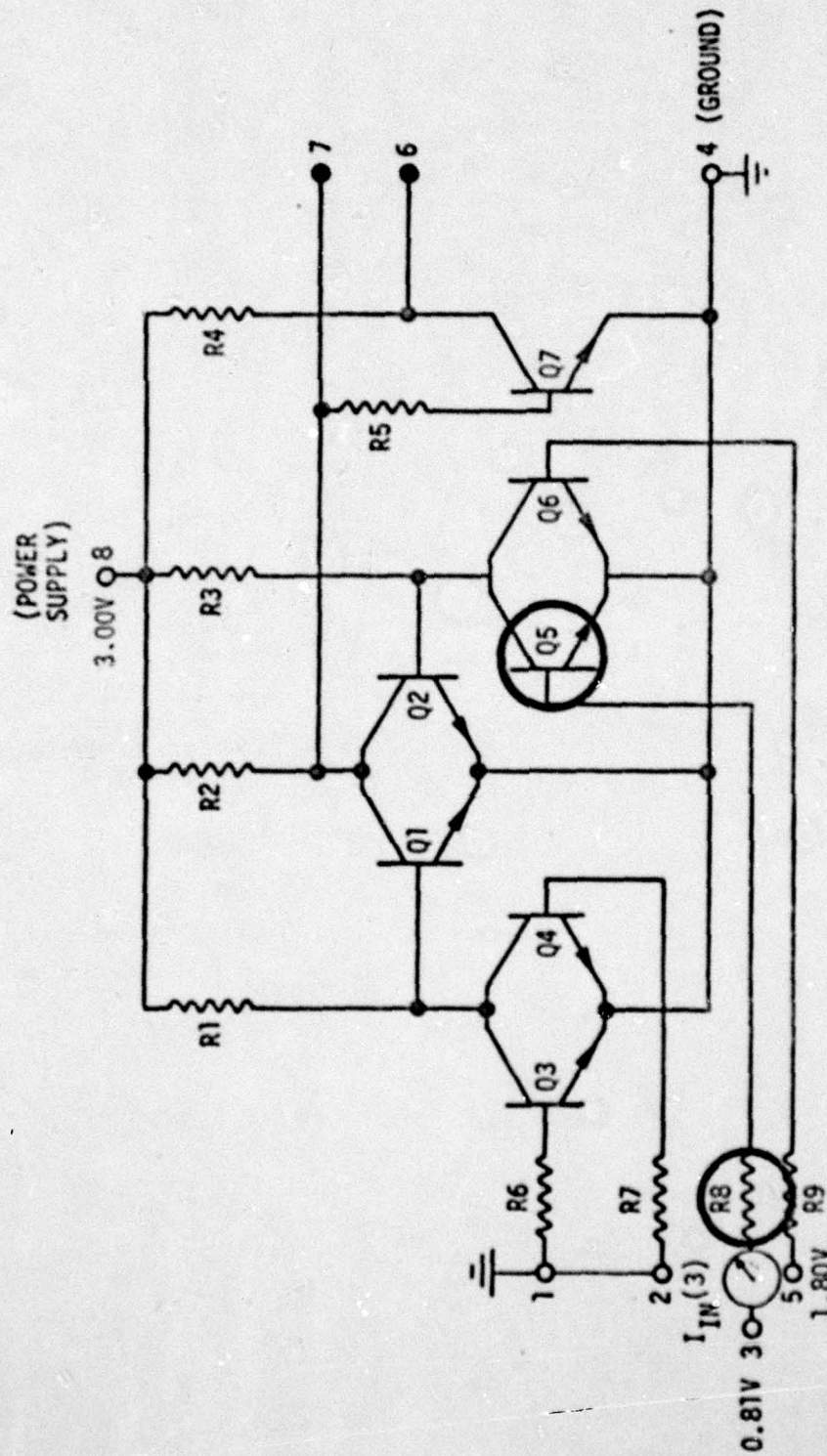
f. SCHEMATIC FOR $I_L(8)$ TEST (Q1 LEAKAGE CURRENT AT JUST BELOW MAXIMUM "OFF" CONDITION)

FIGURE A-4. TEST CONDITIONS FOR 4-INPUT GATE



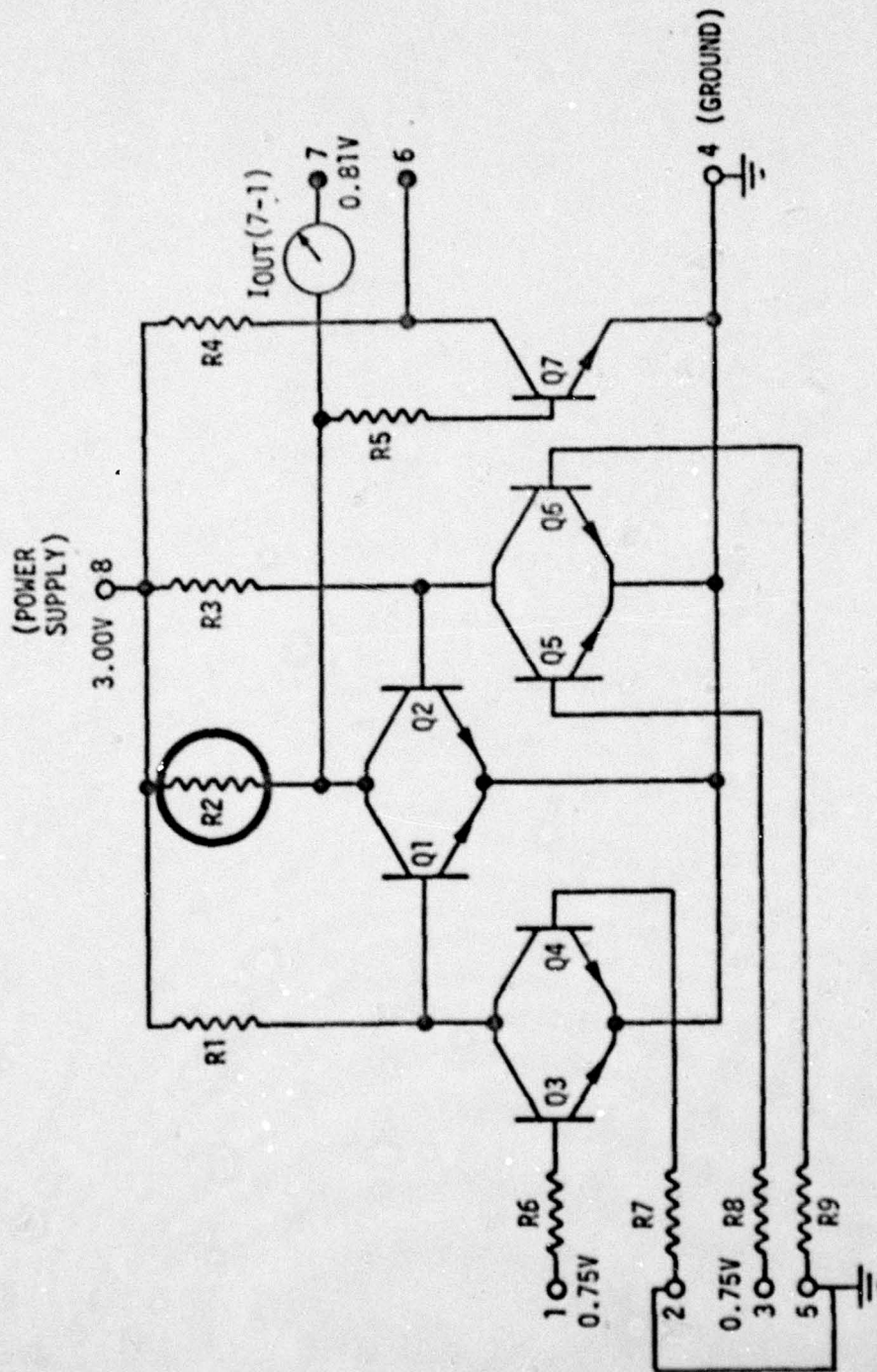
a. SCHEMATIC FOR $I_{IN}(1)$ TEST (R_6 RESISTANCE + $Q3$ BASE EMITTER CHECK AT SATURATION VOLTAGE)

FIGURE A-5. TEST CONDITIONS FOR HALF ADDER



b. SCHEMATIC FOR $I_{IN}(3)$ TEST (R8 RESISTANCE + Q5 BASE EMITTER JUNCTION LEAKAGE
CHECK AT SATURATION VOLTAGE)

FIGURE A-5. TEST CONDITIONS FOR HALF ADDER



c. SCHEMATIC FOR $I_{OUT}(7-1)$ TEST (R_2 RESISTANCE CHECK)

FIGURE A-5. TEST CONDITIONS FOR HALF ADDER

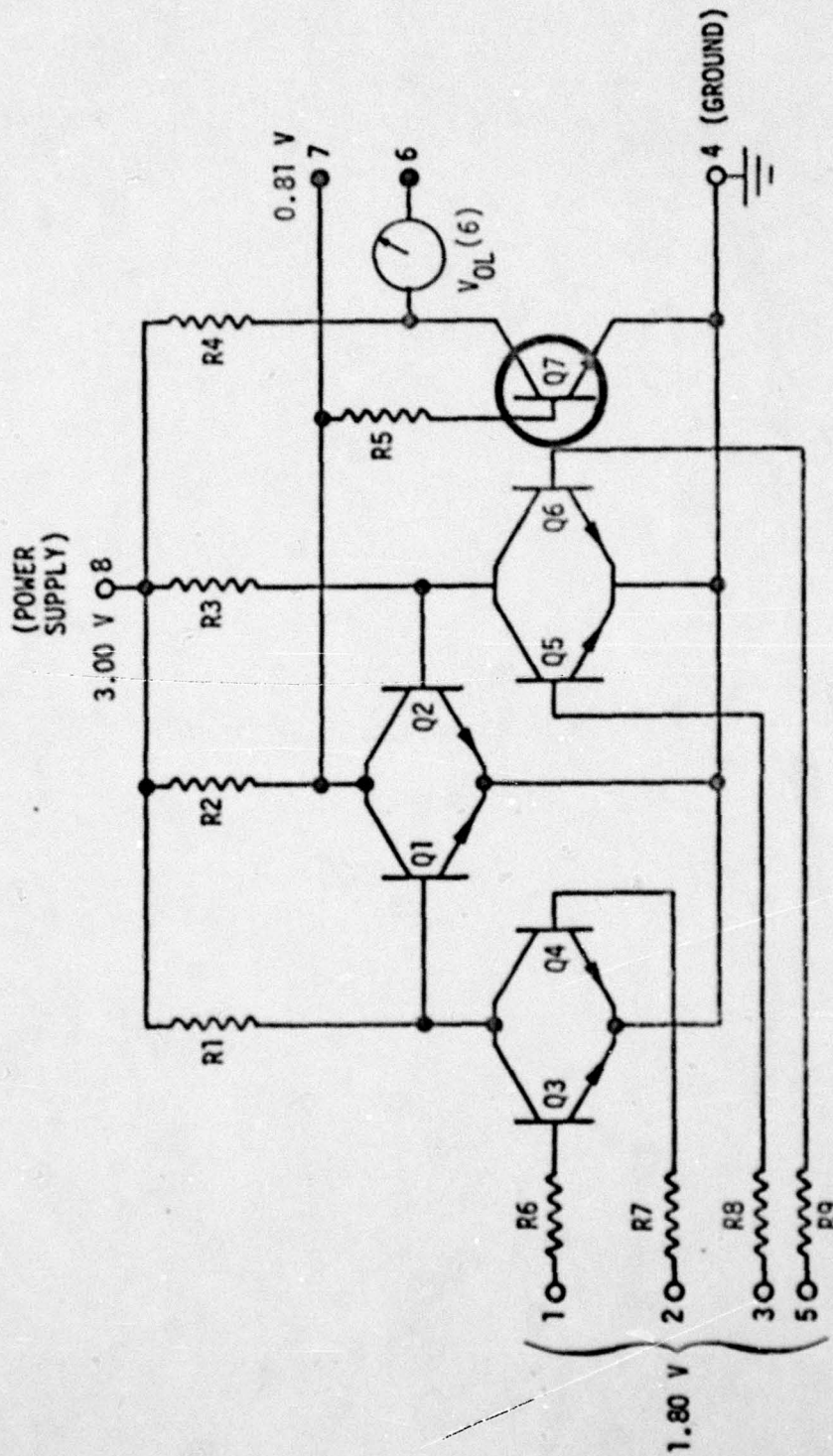
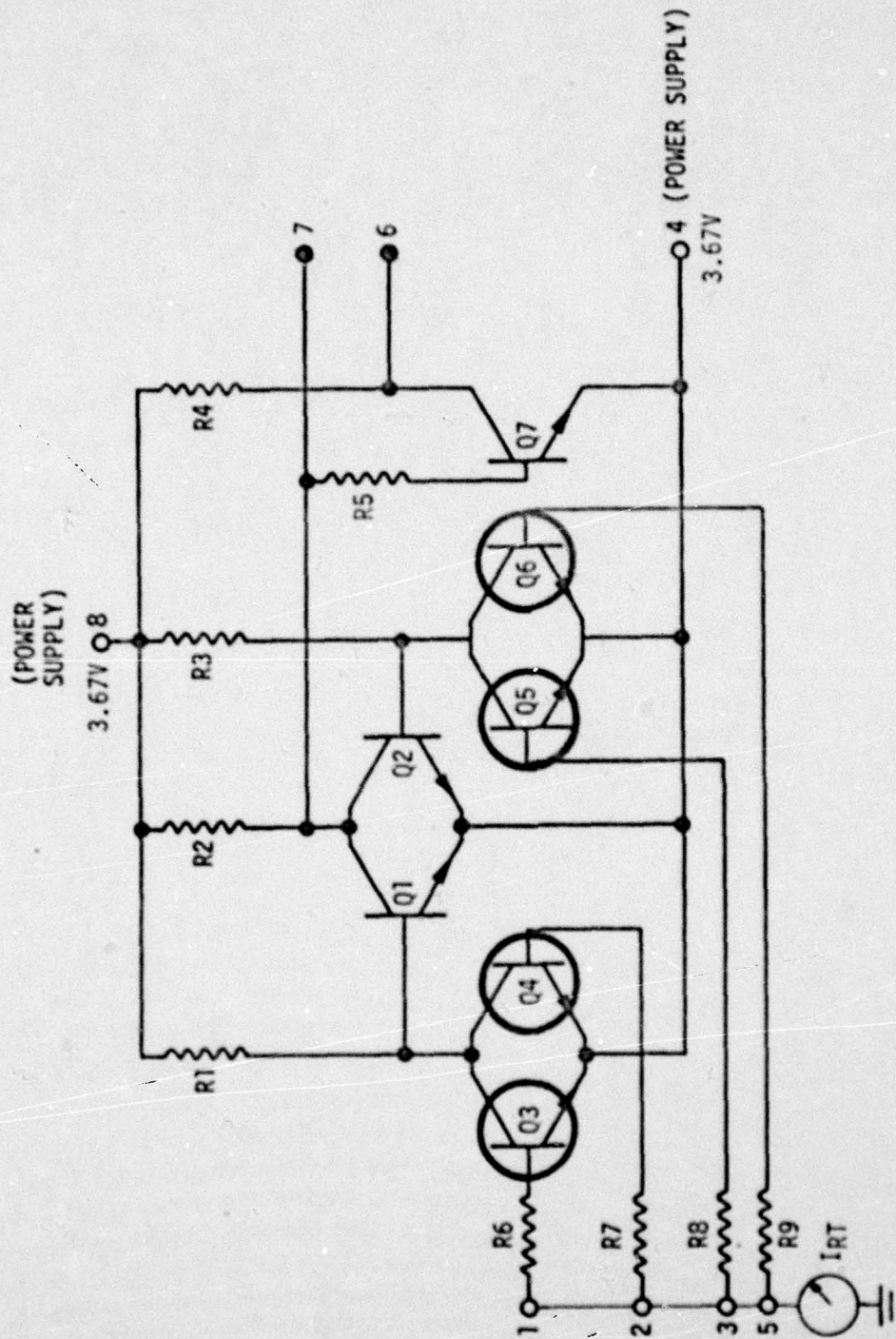
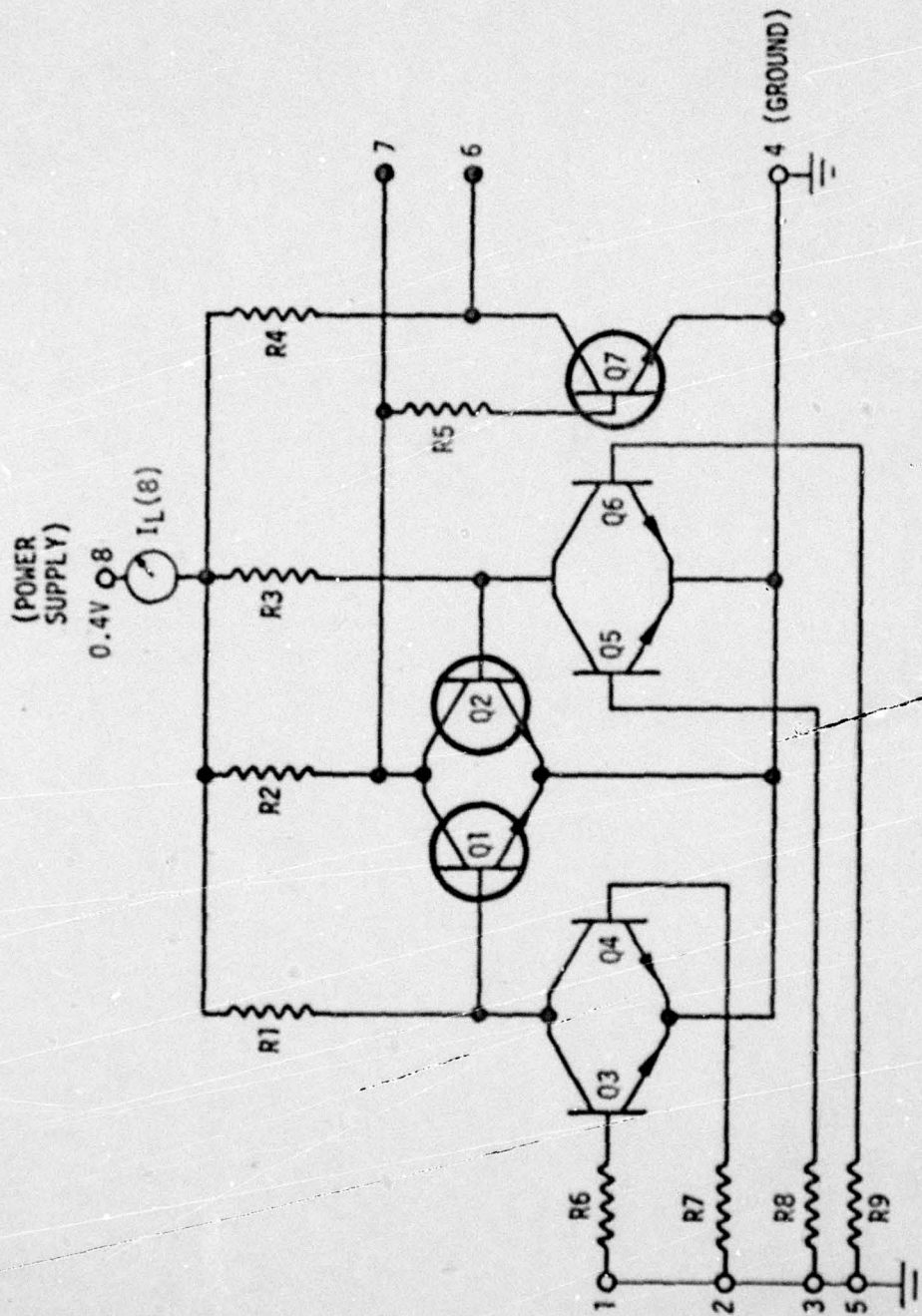
d. SCHEMATIC FOR $V_{OL}(6)$ TEST (Q7 VOLTAGE DROP AT SATURATION)

FIGURE A-5. TEST CONDITIONS FOR HALF ADDER



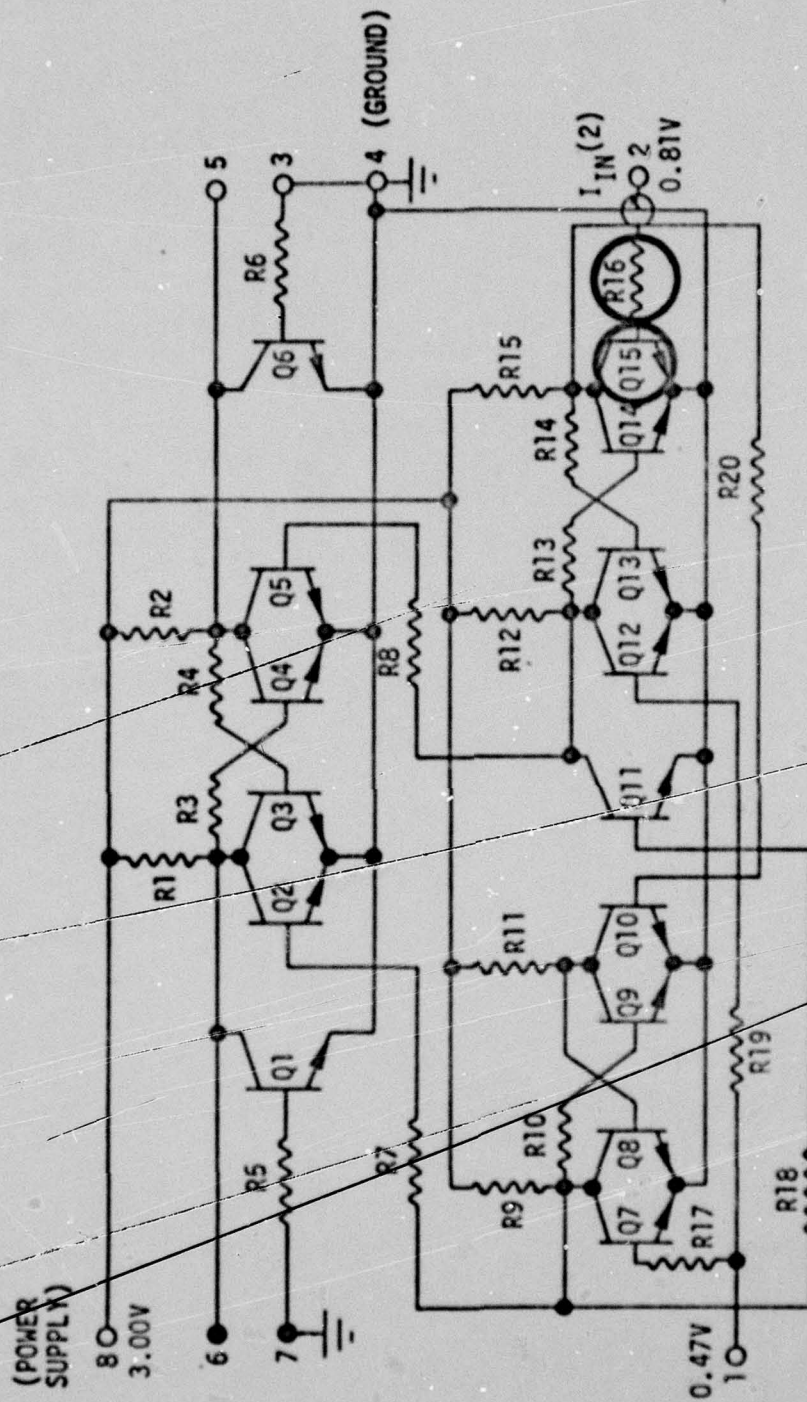
e. SCHEMATIC FOR I_{RT} TEST (Q3+Q4+Q5+Q6 BASE EMITTER JUNCTION LEAKAGE CURRENT)

FIGURE A-5. TEST CONDITIONS FOR HALF ADDER



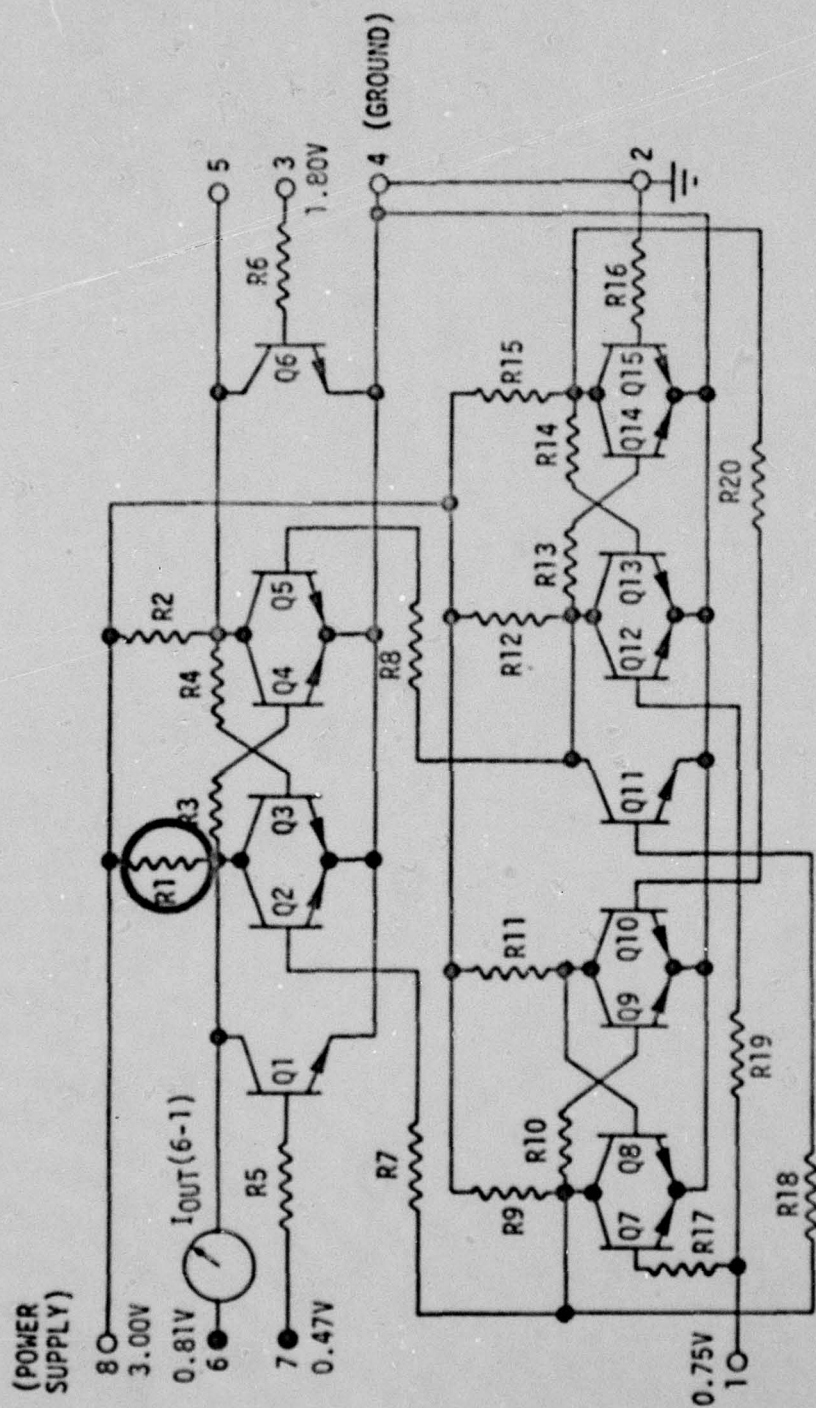
f. SCHEMATIC FOR $I_L(8)$ TEST ($Q1+Q2+Q7$ LEAKAGE CURRENT AT JUST BELOW MAXIMUM "OFF" CONDITION)

FIGURE A-5. TEST CONDITIONS FOR HALF ADDER



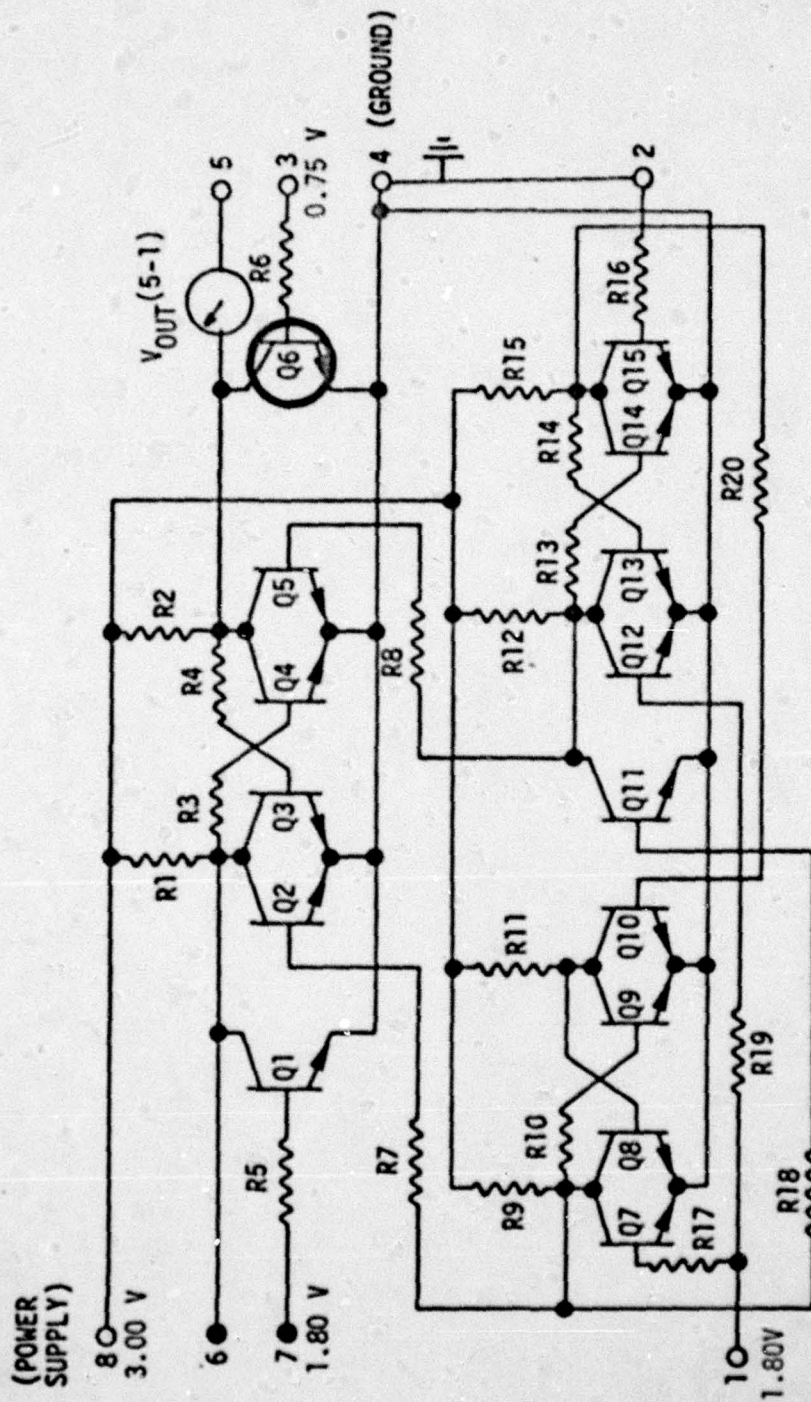
a. SCHEMATIC FOR $I_{IN}(2)$ TEST (R_{16} RESISTANCE + Q15 BASE EMITTER CHECK AT SATURATION VOLTAGE)

FIGURE A-6. TEST CONDITIONS FOR REGISTER



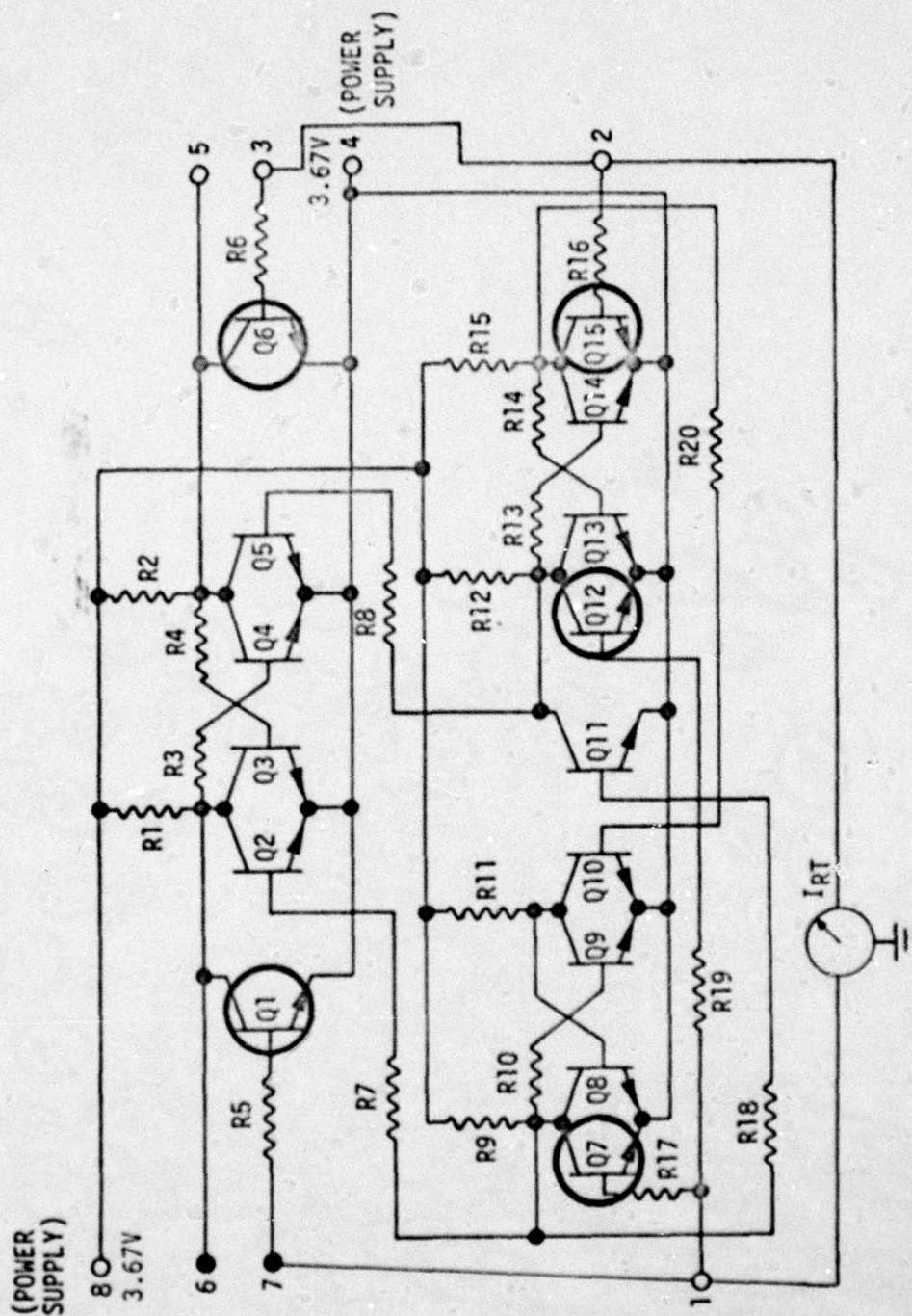
b. SCHEMATIC FOR $I_{OUT}(6-1)$ TEST (R_1 RESISTANCE CHECK)

FIGURE A-6. TEST CONDITIONS FOR REGISTER



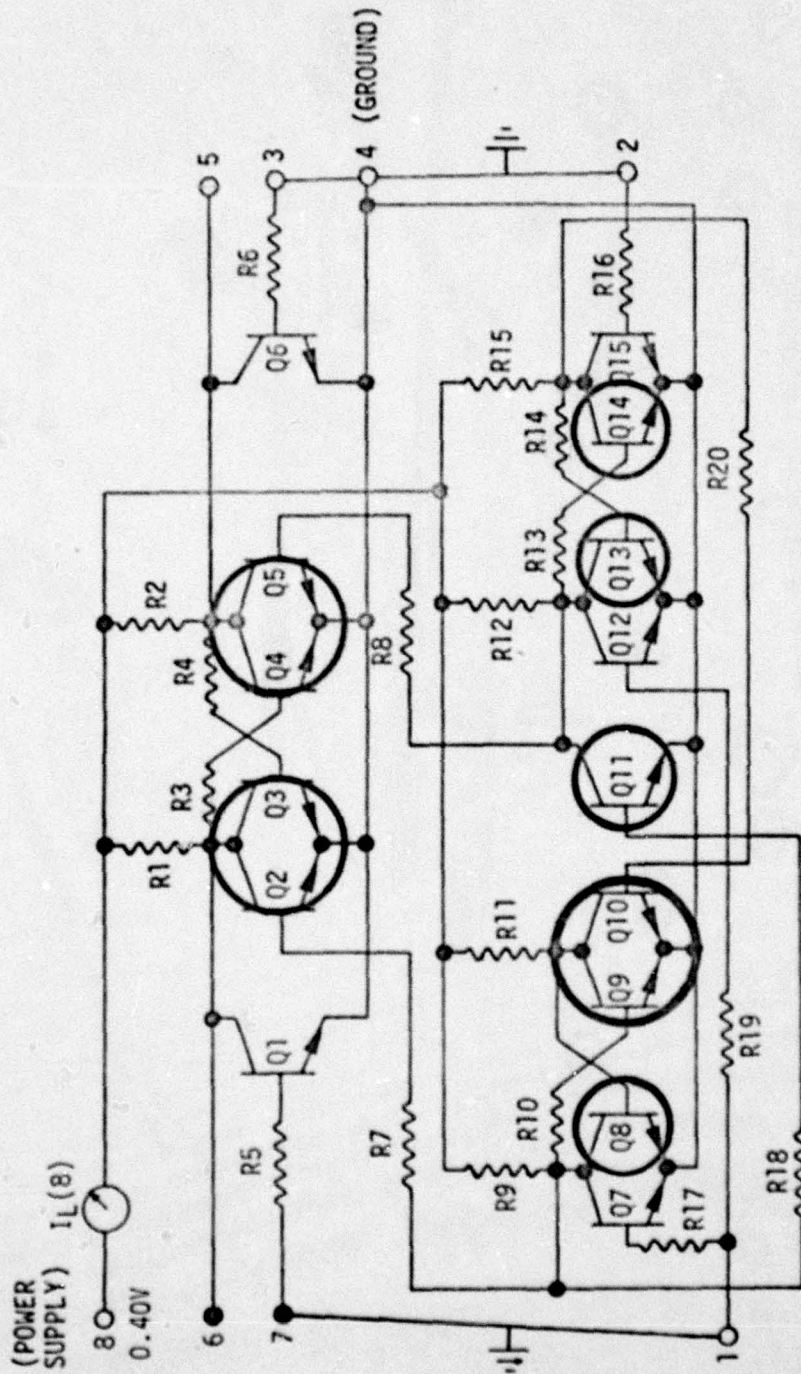
c. SCHEMATIC FOR $V_{OUT}(5-1)$ TEST (Q6 VOLTAGE DROP AT MINIMUM "ON" CONDITION)

FIGURE A-6. TEST CONDITIONS FOR REGISTER



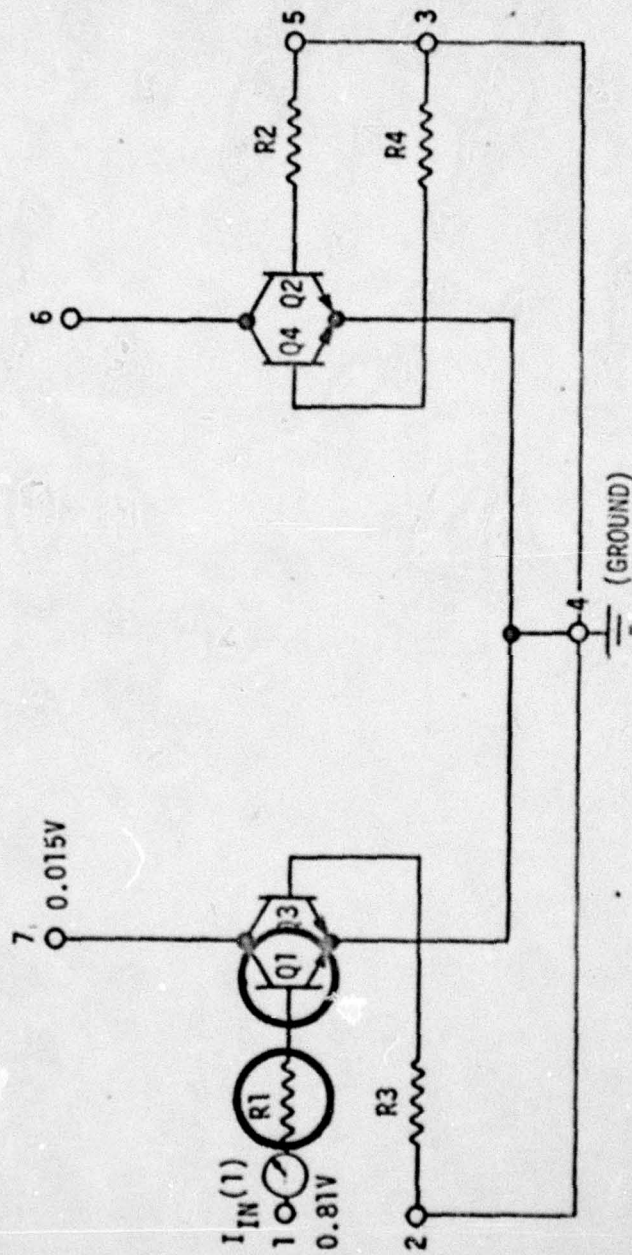
e. SCHEMATIC FOR I_{RT} TEST (Q1+Q6+Q7+Q12+Q15 BASE EMITTER JUNCTION LEAKAGE CHECK)

FIGURE A-6. TEST CONDITIONS FOR REGISTER



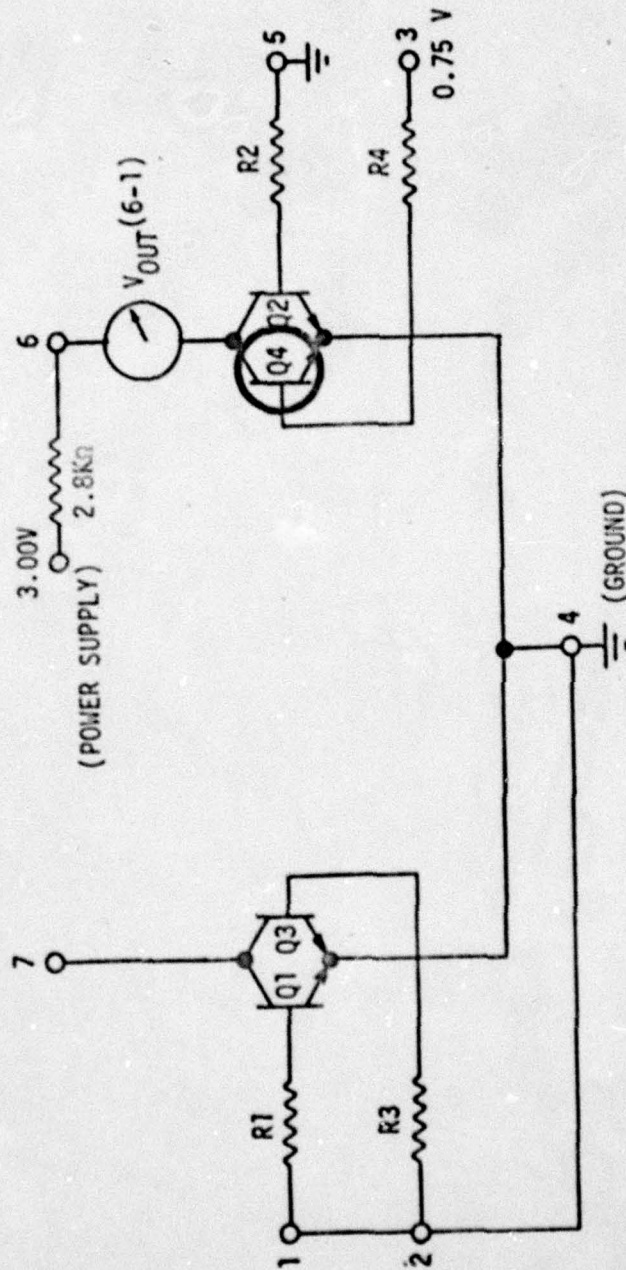
f. SCHEMATIC FOR $I_L(8)$ TEST (Q2+Q3+Q4+Q5+Q8+Q9+Q10+Q11+Q13+Q14 LEAKAGE CURRENT AT JUST BELOW MAXIMUM "OFF" CONDITION)

FIGURE A-6. TEST CONDITIONS FOR REGISTER



a. SCHEMATIC FOR $I_{IN}(1)$ TEST (R_1 RESISTANCE + Q1 BASE EMITTER CHECK AT SATURATION VOLTAGE)

FIGURE A-7. TEST CONDITIONS FOR EXPANDER



b. SCHEMATIC FOR V_{OUT} (6-1) TEST (Q4 VOLTAGE DROP AT MINIMUM "ON" CONDITION)

FIGURE A-7. TEST CONDITIONS FOR EXPANDER

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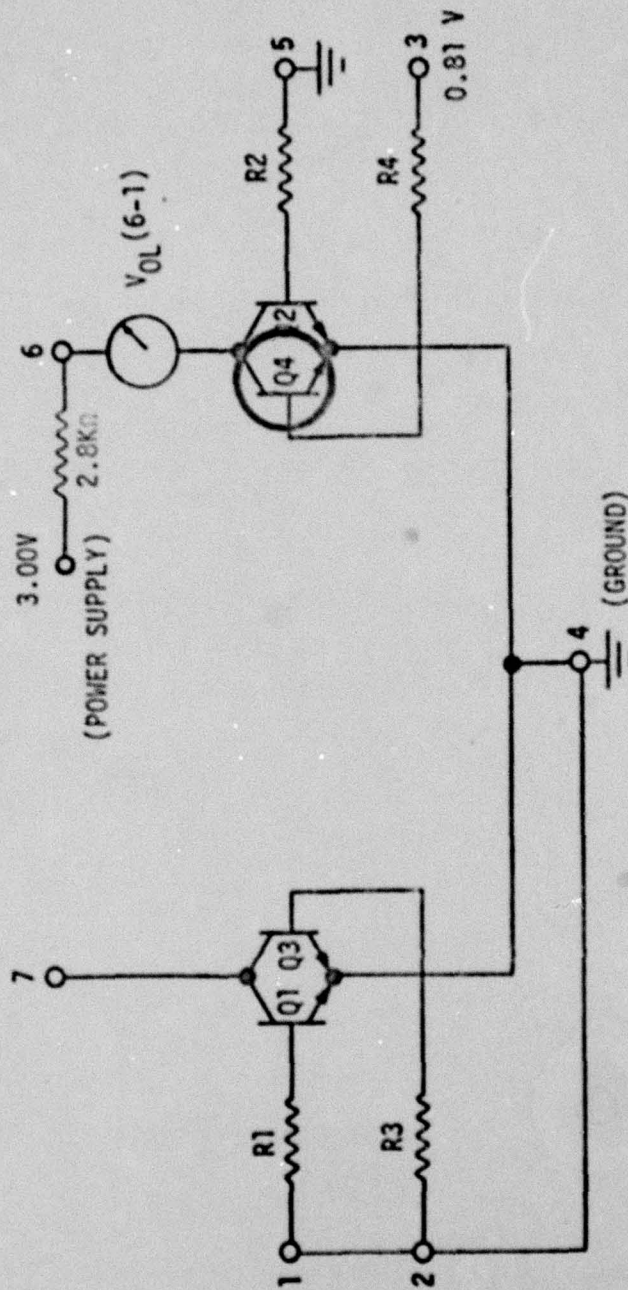
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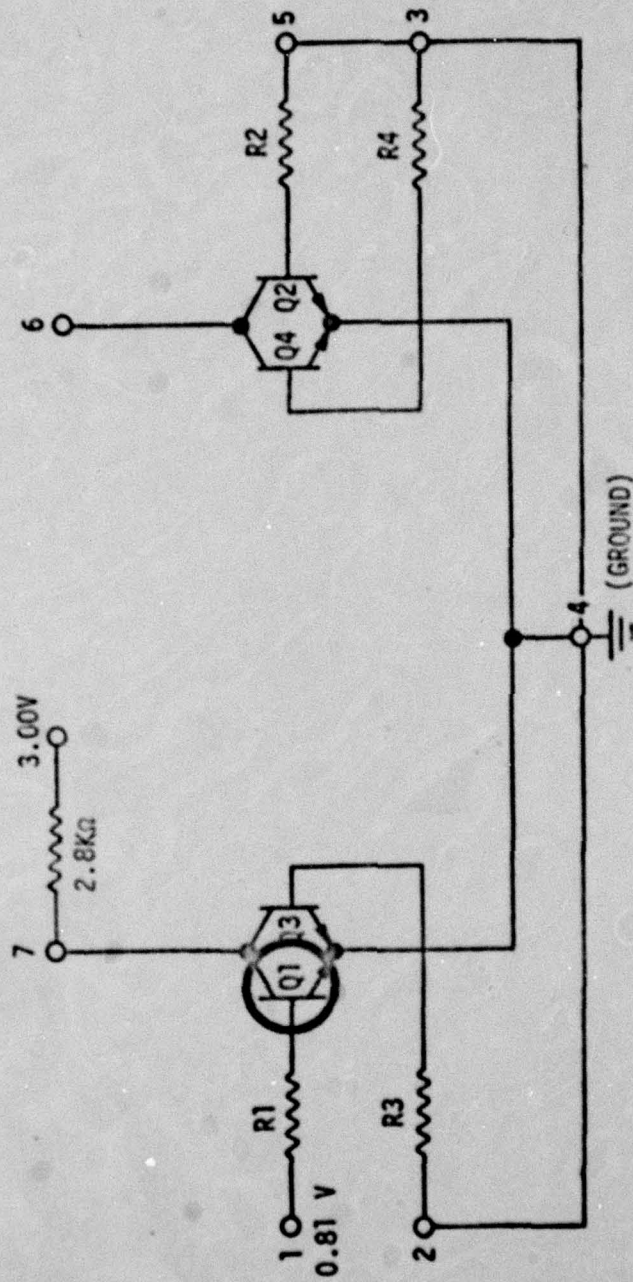
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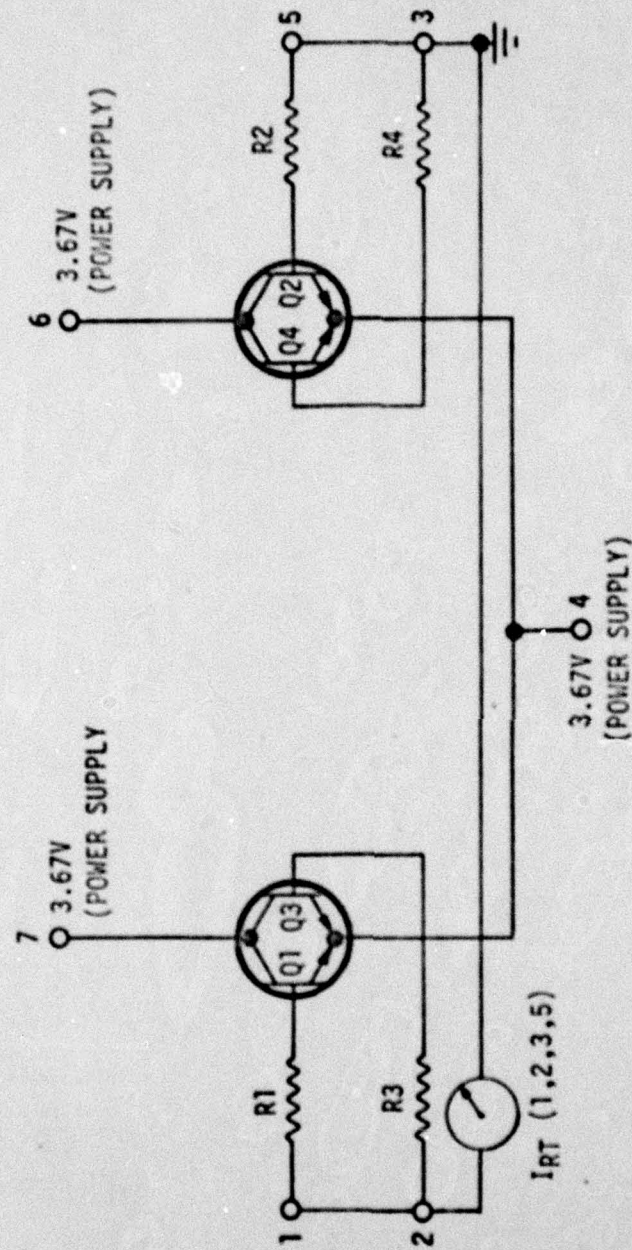
c. SCHEMATIC FOR $V_{OL} (6-1)$ TEST (Q4 VOLTAGE DROP AT SATURATION)

FIGURE A-7. TEST CONDITIONS FOR EXPANDER



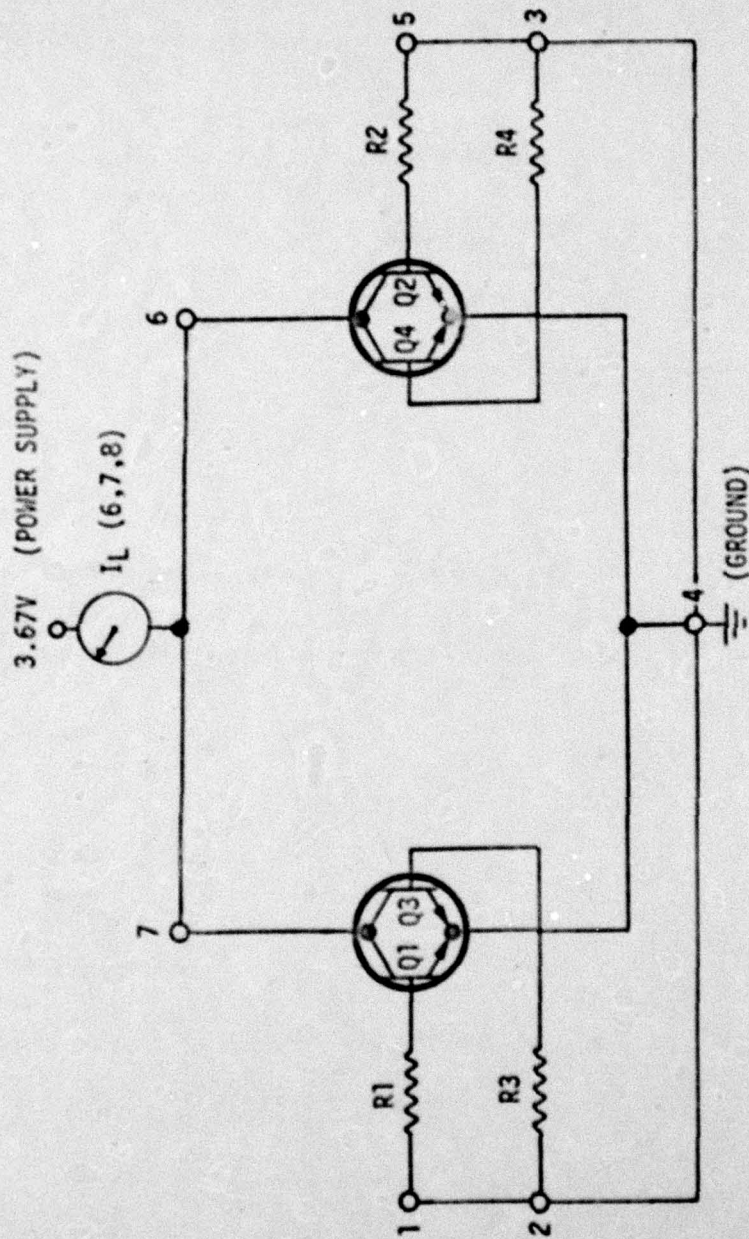
d. SCHEMATIC FOR $V_{OL}(7-1)$ TEST (Q1 VOLTAGE DROP AT SATURATION)

FIGURE A-7. TEST CONDITIONS FOR EXPANDER



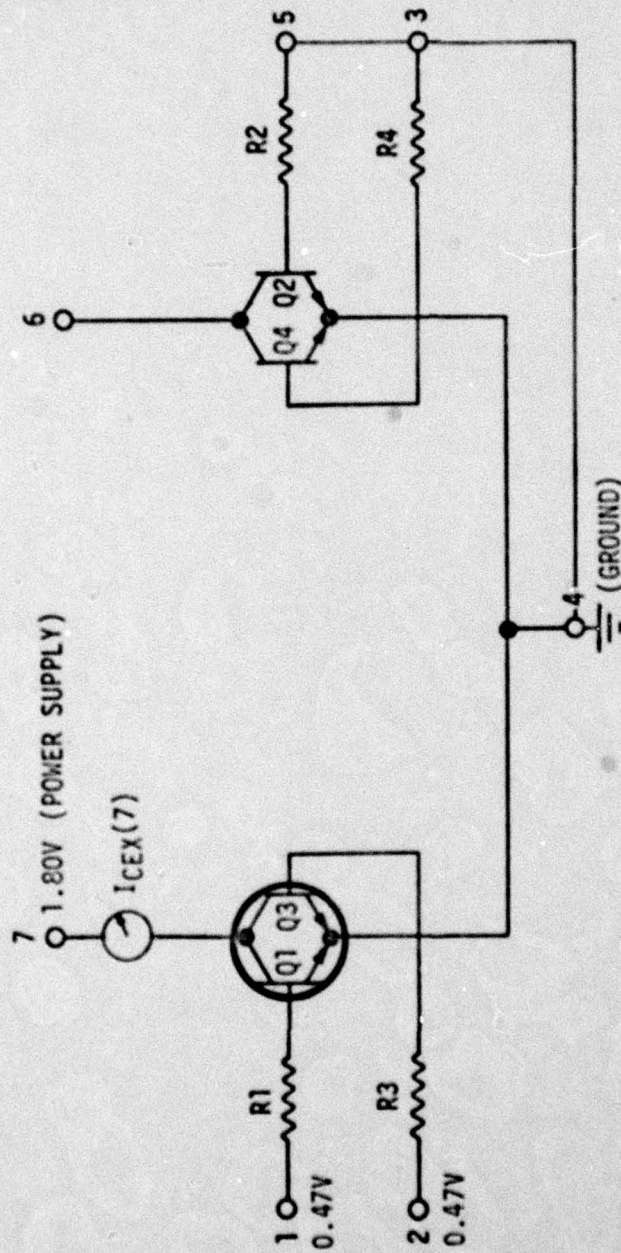
e. SCHEMATIC FOR $I_{RT}(1,2,3,5)$ TEST ($Q1+Q2+Q3+Q4$ BASE EMITTER JUNCTION LEAKAGE CURRENT)

FIGURE A-7. TEST CONDITIONS FOR EXPANDER



f. SCHEMATIC FOR $I_L (6,7,8)$ TEST ($Q1+Q2+Q3+Q4$ LEAKAGE CURRENT AT MAXIMUM POWER SUPPLY VOLTAGE)

FIGURE A-7. TEST CONDITIONS FOR EXPANDER



9. SCHEMATIC FOR $I_{CEX(7)}$ TEST (Q1+Q3 LEAKAGE CURRENT AT MAXIMUM "OFF" VOLTAGE)

FIGURE A-7. TEST CONDITIONS FOR EXPANDER